



1-1952

Ursinus College Catalogue for the Eighty-third Academic Year, 1952-1953

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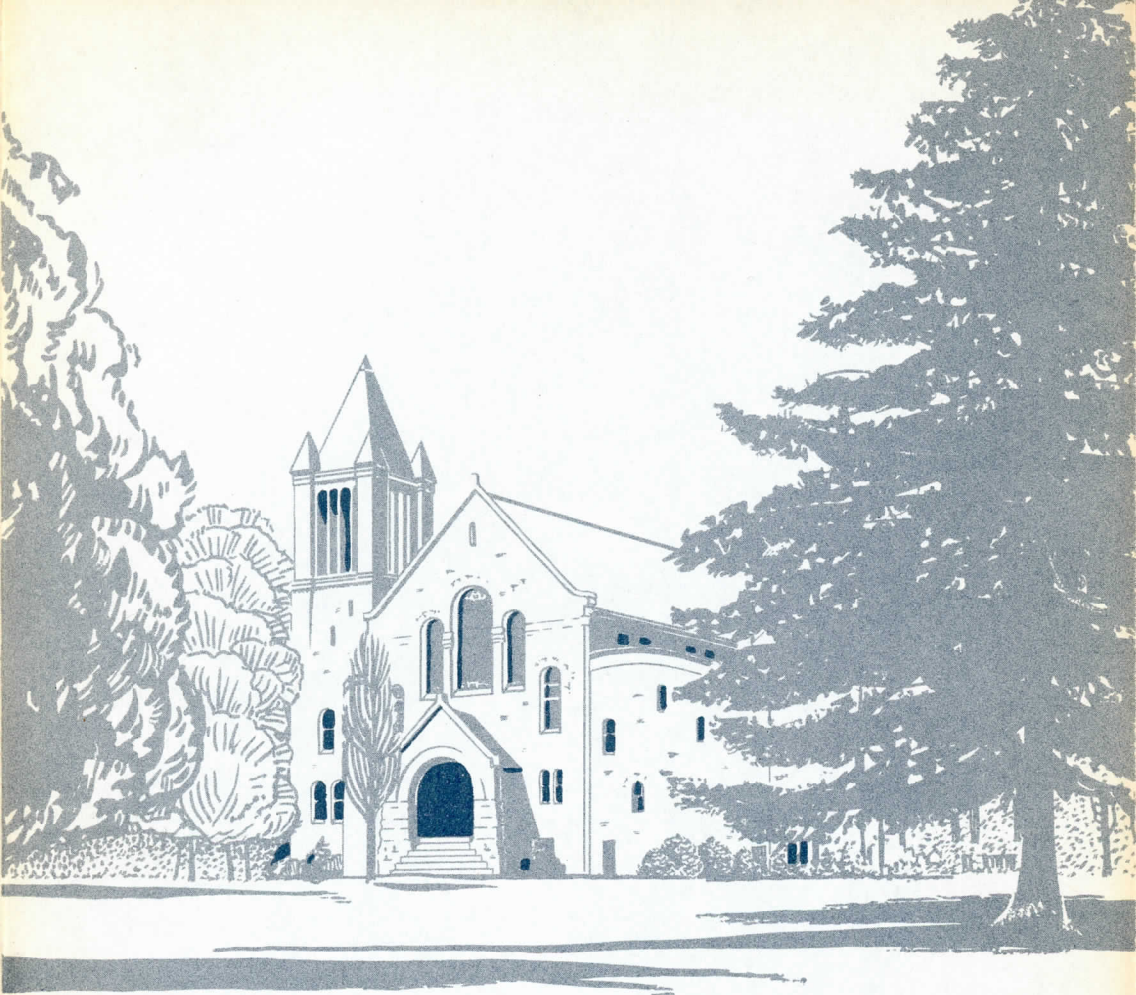
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Ursinus College Bulletin

COLLEGEVILLE, PENNSYLVANIA

1952-1953

Vol. 50 No. 1

Catalogue Number

Vol. I.

No. 1

URSINUS COLLEGE BULLETIN

CATALOGUE NUMBER

JANUARY 1952

Entered as second class matter at the Post Office, Collegeville, Pa., under the Act of Aug. 24, 1912.

The Bulletin is published five times a year with issues in January, February, May, September and December.

THE
URSINUS COLLEGE
BULLETIN



Catalogue Number

FOR THE

Eighty-third Academic Year

1952-1953

Collegeville, Pennsylvania

January 1952

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The Calendar for 1952-1953

1952

JANUARY

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The College Calendar for 1952-1953

1952

January	2	Wednesday	Christmas Recess ends, 8:00 A.M.
January	25	Friday	Winter Term ends, 5:30 P.M.
February	4	Monday	Spring Term begins, 8:00 A.M.
February	15	Friday	Last Day for filing Open Scholarship Applications
March	21	Friday	Spring Recess begins, 5:30 P.M.
March	31	Monday	Spring recess ends, 8:00 A.M.
April	11	Friday	Good Friday
May	31	Saturday	Alumni Day
June	1	Sunday	Baccalaureate Service, 10:45 A.M.
June	2	Monday	Commencement, 11:00 A.M.
June	9	Monday	First Summer Session begins, 8:00 A.M.
July	18	Friday	First Summer Session ends, 5:30 P.M.
July	21	Monday	Second Summer Session begins, 8:00 A.M.
August	29	Friday	Second Summer Session ends, 5:30 P.M.
September	22	Monday	Freshman Program begins
September	24	Wednesday	Winter Term begins, 8:00 A.M.
November	26	Wednesday	Thanksgiving Recess begins, 5:30 P.M.
December	1	Monday	Thanksgiving Recess ends, 8:00 A.M.
December	19	Friday	Christmas Recess begins, 5:30 P.M.

1953

January	5	Monday	Christmas Recess ends, 8:00 A.M.
January	23	Friday	Winter Term ends, 5:30 P.M.
February	2	Monday	Spring Term begins, 8:00 A.M.
February	16	Monday	Last Day for filing Open Scholarship Applications
March	20	Friday	Spring Recess begins, 5:30 P.M.
March	30	Monday	Spring Recess ends, 8:00 A.M.
April	3	Friday	Good Friday
May	30	Saturday	Alumni Day
May	31	Sunday	Baccalaureate Service, 10:45 A.M.
June	1	Monday	Commencement, 11:00 A.M.
June	15	Monday	First Summer Session begins, 8:00 A.M.
July	24	Friday	First Summer Session ends, 5:30 P.M.
July	27	Monday	Second Summer Session begins, 8:00 A.M.
September	4	Friday	Second Summer Session ends, 5:30 P.M.
September	28	Monday	Freshman Program begins
September	30	Wednesday	Winter Term begins, 8:00 A.M.

Historical Sketch

URSINUS COLLEGE had its educational beginning in 1832 when Todd's School was opened at Perkiomen Bridge, now Collegeville. In 1848, Freeland Seminary was opened on a tract adjacent to Todd's School and within a period of twenty years gave an education to many hundreds of young men.

In 1868 the work of founding a liberal arts college was undertaken by a body of men actuated by a desire to serve the interests of higher education and evangelical Christian religion. In 1869 the Act of Incorporation was granted by the Legislature of Pennsylvania. The site of Freeland Seminary was chosen, and instruction was begun on September 6, 1870. In 1881 the doors of the College were opened to women.

When the College was founded Freeland Seminary was incorporated into it as its preparatory department, and became known as Ursinus Academy. It was operated as such until 1910, when it was discontinued.

From 1871 to 1898 the Ursinus School of Theology was conducted at Collegeville. In the latter year it was moved to Philadelphia. In 1907 it was merged with the Central Theological Seminary at Dayton, Ohio, where it was continued until its termination in 1933.

LOCATION AND ENVIRONMENT

THE COLLEGE is located in Collegeville, a borough of 1900 population, in Montgomery County, Pennsylvania, twenty-five miles northwest of Philadelphia. Collegeville is located on National Highway 422 and State Highway 29. It may be conveniently reached from Philadelphia by means of trains of the Pennsylvania, Reading, or Philadelphia and Western (69th Street Terminal) railroads to Norristown, Pennsylvania, whence buses leave hourly for Collegeville, carrying passengers directly to the College.

Students at Ursinus have all the advantages of living in the country and at the same time being close enough to the city to have easy access to such additional opportunities for culture as the Philadelphia Orchestra, grand opera, legitimate theatres, museums, lectures, and exhibits.

ACCREDITATION

URSINUS is a member of the Association of American Colleges, and is on the approved list of the Middle States Association of Colleges and Secondary Schools, the American Association of University Women, and the *Association of American Universities.

NEEDS

THE COLLEGE constantly employs fully the equipment and resources at its disposal. The steady growth of the institution should encourage its friends to provide for its further needs. The following present exceptional opportunities for gifts and memorials: endowment of scholarships, \$2,000 to \$10,000 each; endowment of professorships, \$80,000 and upwards; general endowment funds, \$5,000 and upwards; residence halls for women, \$60,000 and upwards; an infirmary, \$35,000. The counsel of the President of the College should be sought with a view to obtaining the most advantageous cooperation on the part of benefactors.

GIFTS AND BEQUESTS

IT IS THE judgment of those who have had the responsibility of disposing of large fortunes that Education furnishes the most promising field for benevolence. The great philanthropic foundations, after discriminating scientific inquiry into the ways and means of doing good with accumulated wealth, have made Education their chief objective.

The practice of making donations during one's life rather than making bequests to be executed after death is recommended. In this way the donor has absolute assurance that his wishes are being carried out, he has the satisfaction of seeing his gift bearing fruit in the improved work of the institution, and he avoids the deflection of part of his proposed gift in the form of inheritance taxes.

When the donor wishes to retain the income of his estate during his lifetime, a very satisfactory arrangement is provided in Ursinus College Annuity Bonds, which the College issues in exchange for cash or property. Annuity Bonds guarantee to the donor a fixed income payable semi-annually during the period of his natural life. Upon his death the bonds become null and void, and the gifts which they represent continue as permanent possessions of the College.

* The Association of American Universities late in 1949 discontinued its practice of accrediting colleges and universities. At that time Ursinus had been continuously approved by the Association for many years.

Buildings and Equipment

BUILDINGS

BOMBERGER MEMORIAL HALL, named for J. H. A. Bomberger, President of Ursinus College, 1870-1890, is a large and imposing structure in the Romanesque style of architecture, built of Pennsylvania blue marble. This building is for the use of the departments of language and literature, the social sciences, history, philosophy, religion, public speaking, and music. In it are the chapel, twelve classrooms, six conference rooms, a seminar room, two music studios, two day studies, and the offices of the Dean, the Dean of Men, the Registrar, the Treasurer, the Director of Student Teaching and Placement, and the Alumni Secretary. The erection of Bomberger Hall was made possible by the benefactions of the late Robert Patterson. THE CLARK MEMORIAL ORGAN occupies a position in the front of the chapel in Bomberger Hall. It is a memorial to the late Charles Heber Clark, LL.D., and was the gift of his wife.

PFABLER HALL OF SCIENCE, erected in 1932, and named in honor of Dr. George E. Pfahler, is a stone and concrete building. The first floor and basement are devoted to work in psychology, education, mathematics, and physics, the second floor to biology, and the third floor to chemistry. The building contains the offices of the President and Vice-President, the Levi Jay Hammond Laboratory of Comparative Anatomy, the W. Wayne Babcock Laboratory of General Biology, the Anna Heinly Schellhamer Laboratory, the Schellhamer Laboratory, nine other teaching laboratories, two laboratories for research, nine professors' laboratories and offices, seven classrooms, a lecture hall with gallery and projection booth, and a library. The building is equipped with a deck for astronomical observation, on which is mounted the Elihu Thomson Memorial Telescope.

THE ALUMNI MEMORIAL LIBRARY contains reading rooms, offices of the library staff, seminar rooms, workroom, faculty and directors' room, stacks, vaults containing rare books and manuscripts, music room, and the Shaw-Bernard (Museum) Collection.

The Library collection of 42,000 volumes, exclusive of government documents and pamphlets, has been selected to serve the needs of the liberal arts college. The resources of the Library are kept up-to-date by the current purchase of books in curricular and general subject fields. In addition, the Library currently receives over 200 periodicals and newspapers. The collection contains such basic and important reference sets as Chemical Abstracts, Beilstein's *Handbuch der Organischen Chemie*, Biological Abstracts, the Americana and Britannica encyclopedias, The New English Dictionary, Der Grosse Brockhaus, the Cambridge histories, Dictionary of National Biography, and Dictionary of American Biography. The location of Ursinus College in the Philadelphia area makes available for special studies the considerable bibliographical holding of the region's libraries through personal consultation or inter-library loan.

Aside from reference works, periodicals, and course reserves for assigned reading, library books circulate for a two-week period with renewal privileges. A competent staff is available to assist students in the use of the Library.

LIBRARY HOURS

(Regular Session)

Monday-Thursday: 8 a.m.-12 m.; 12:30 p.m.-5:00 p.m.; 6:30 p.m.-9:30 p.m.

Friday: 8 a.m.-12 m.; 12:30-5:00 p.m.

Saturday: 9 a.m.-12 m.

Sunday: 6:30 p.m.-9:30 p.m.

THE THOMPSON-GAY GYMNASIUM, built in 1927, occupies a convenient position adjoining Patterson Field and John B. Price Field. It is built of native brownstone, structural steel, and concrete. It contains a playing-floor, a gallery for spectators, locker rooms, shower rooms, coaches' offices, and storage rooms. At one end of the main floor is a completely equipped theatrical stage. Portable seating constitutes a part of the equipment of the building. This building is a memorial to Robert W. Thompson, '12, and George H. Gay, '13, noted Ursinus athletes, both of whom died in their senior year in College.

THE COLLEGE GYMNASIUM, erected in 1947, is located near the Thompson-Gay Gymnasium and Price Field. It contains a large basketball court, two single handball courts, seating for 800 spectators, two dressing and shower rooms for players, a dressing room for officials, and storage rooms.

PATTERSON FIELD, named for Robert Patterson, first benefactor of the College, contains the varsity football field, space for competition in field events, and a quarter mile track with a 220 yard straightaway. The steel grandstand provides seating for 1440 spectators.

PRICE FIELD, named for Dr. John B. Price, '05, one of the great athletes in Ursinus history, contains the soccer field, the baseball diamond, several softball fields, and football practice ground.

The College has six tennis courts, two of which have all-weather surface, in the rear of Curtis Dormitory.

The women's hockey fields are located in the rear campus near the Alumni Memorial Library.

FREELAND HALL, erected in 1848, the original building of Freeland Seminary, DERR HALL, and STINE HALL constitute a group of buildings for domestic purposes. The buildings are of stone, four stories in height with a fifth story of dormer rooms. On the two lower floors are the dining rooms, four in number, the kitchen, storage and refrigeration rooms, and the office of the steward. The upper floors are fitted up for the residence of men students. The rooms are of varying size, designed for one or two occupants, a number being arranged *en suite*.

THE BRODBECK and CURTIS DORMITORIES FOR MEN are buildings in English Colonial style. Each building has four floors. The rooms are spacious, well lighted, and easy of access by means of fireproof stairways. They bear the names of esteemed benefactors of the College, Andrew R. Brodbeck and Cyrus H. K. Curtis.

FIRCROFT, a residence for women students, was presented to the College by Miss Sara E. Ermold as a memorial to her mother, Ella N. Ermold.

HOBSON HOUSE, is located at Sixth Avenue and Main Street. It is used as a residence hall for women.

FETTEROLF HOUSE, fronting on Main Street and facing the College campus, is a residence hall for men.

SHREINER HALL, fronting on Main Street and facing the College campus, is a residence hall for women. This is a three story brick building arranged for the accommodation of twenty-nine students. On the first floor are a reception room and the office of the Dean of Women.

DURYEA HALL, next to Shreiner Hall, is a residence hall for fourteen women and a faculty family.

TRINITY COTTAGE, familiarly known as South Hall, is a residence for women located on Sixth Avenue. The building, with the grounds on which it is located, represents a joint benefaction to the college by the late Henry M. Housekeeper, who was an elder in Trinity Reformed Church, Philadelphia, and the late Abram G. Grater, who was an elder in Trinity Reformed Church, Norristown, Pa.

THE MAPLES, a three story building located on Main Street, opposite the east campus, is a residence hall for women.

SPRANKLE HALL, on the east campus fronting Fifth Avenue, is a residence hall and infirmary for women.

SUPERHOUSE, a residence on Main Street opposite the campus, bequeathed to the College by the late Henry W. Super, D.D., LL.D., Vice-President and Professor of Mathematics, 1870-1891, and President, 1892-1893, is the home of the Vice-President.

LYNNEWOOD is a private residence hall for women, on Main Street opposite the west campus.

GLENWOOD, CLAMER HALL, 646 MAIN STREET, 724 MAIN STREET, 942 MAIN STREET, and 944 MAIN STREET, Collegeville, are buildings leased by the College to provide additional residence quarters.

THE EGER GATEWAY, erected by the generosity of George P. Eger, of Reading, Pennsylvania, stands at the entrance of the walk leading from Main Street to Freeland Hall.

POST OFFICE AND SUPPLY STORE. A Post Office is maintained on the campus for the accommodation of students. Adjacent to the Post Office is a Supply Store, in which are kept on sale college jewelry, stationery, confections, and students' supplies. New text books are supplied on order.

The Directors

	<i>First Elected</i>	<i>Term Expires</i>
REV. TITUS A. ALSPACH, D.D., Lancaster,	1925	1955
MARGARET CLAFLIN ATKINSON, B.S., Haddonfield, N. J.,	1949	1955
LILLIAN ISENBERG BAHNEY, A.B., Myerstown,	1951	1956
CHARLES A. BEHNEY, M.D., Los Alamos, N. M.,	1937	1952
REV. C. EUGENE BLUM, B.A., B.D., D.D., York,	1950	1955
*HON. THOMAS E. BROOKS, LL.D., Red Lion,	1921	1956
WALTER R. DOUTHETT, M.A., Darby,	1936	1956
SHERMAN A. EGER, M.D., Cynwyd,	1949	1954
REV. ARTHUR FRETZ, B.A., B.D., Allentown,	1948	1953
EDWARD S. FRETZ, LL.D., Collegeville,	1925	1955
FRANCIS J. GILDNER, ESQ., B.A., LL.D., Allentown,	1924	1954
DONALD L. HELFFERICH, ESQ., B.A., LL.B., Collegeville,	1927	1952
EVELYN GLAZIER HENZEL, B.A., M.A., Glenside,	1950	1955
REV. HENRY J. HERBER, D.D., Lebanon,	1947	1952
H. OBER HESS, ESQ., B.A., LL.B., Norristown,	1947	1952
RHEA DURYEA JOHNSON, B.A., LITT.D., Philadelphia,	1928	1953
ROBERT L. JOHNSON, LL.D., Philadelphia,	1947	1952
REV. W. SHERMAN KERSCHNER, D.D., Philadelphia,	1940	1955
JOHN A. KUNZ, B.S., Alexandria,	1951	1956
CHARLES LACHMAN, LL.D., Bryn Mawr,	1949	1954
IRENE F. LAUB, M.D., Sc.D., Easton,	1938	1953
REV. JOHN LENTZ, D.D., Norristown,	1946	1956
D. STERLING LIGHT, B.A., Norristown,	1947	1952
N. E. MCCLURE, Ph.D., LITT.D., LL.D., L.H.D., Collegeville,	1936	1956
REV. JAMES M. NIBLO, D.D., Norristown,	1936	1956
CHARLES H. NOSS, York,	1944	1954
HARRY E. PAISLEY, LL.D., Philadelphia,	1907	1952
GEORGE E. PFAHLER, M.D., Sc.D., LL.D., Philadelphia,	1935	1955
WILLIAM D. REIMERT, B.A., Allentown,	1947	1952
CHESTER ROBBINS, M.A., LL.D., Princeton, N. J.,	1943	1954
WILLIAM H. SCHELLHAMER, M.D., York,	1950	1955
HAROLD D. STEINBRIGHT, B.S., Cedars,	1949	1954
GEORGE L. THOMAS, JR., B.A., Lilypons, Md.,	1951	1956
ROBERT R. TITUS, B.S., LL.D., Villanova,	1948	1953
ERNEST C. WAGNER, Ph.D., Sc.D., Swarthmore,	1946	1956
RALPH F. WISMER, ESQ., B.A., Collegeville,	1938	1953

* Died, November 26, 1951.

COMMITTEES OF THE BOARD OF DIRECTORS

Executive Committee: R. F. WISMER, H. E. PAISLEY, D. L. HELFFERICH, JOHN LENTZ, J. M. NIBLO, N. E. MCCLURE, R. D. JOHNSON, D. S. LIGHT, and CHARLES LACHMAN.

Committee on Finance: R. F. WISMER, H. E. PAISLEY, J. M. NIBLO, N. E. MCCLURE, D. L. HELFFERICH, R. R. TITUS, and CHARLES LACHMAN.

Committee on Buildings and Grounds: J. M. NIBLO, W. R. DOUTHETT, N. E. MCCLURE, D. S. LIGHT, C. H. NOSS, and H. D. STEINBRIGHT.

Committee on Instruction: N. E. MCCLURE, C. A. BEHNEY, G. E. PFAHLER, D. L. HELFFERICH, R. L. JOHNSON, and CHESTER ROBBINS.

Committee on Long-Term Planning: J. M. NIBLO, W. S. KERSCHNER, W. R. DOUTHETT, I. F. LAUB, G. E. PFAHLER, C. H. NOSS, R. F. WISMER, N. E. MCCLURE, D. L. HELFFERICH, H. E. PAISLEY, and CHARLES LACHMAN.

Committee on Budget: W. R. DOUTHETT, R. F. WISMER, N. E. MCCLURE, D. L. HELFFERICH, and JOHN LENTZ.

OFFICERS OF THE CORPORATION

President: HARRY E. PAISLEY, Philadelphia.

**First Vice-President:* THOMAS E. BROOKS, Red Lion, Pa.

Second Vice-President: FRANCIS J. GILDNER, Allentown, Pa.

Secretary: RALPH F. WISMER, Collegeville, Pa.

Assistant Secretary: D. STERLING LIGHT, Norristown, Pa.

Treasurer: RALPH F. WISMER, Collegeville, Pa.

* Died, November 26, 1951.

Administration

N. E. MCCLURE, PH.D., LITT.D., LL.D., L.H.D., *President*

DONALD L. HELFFERICH, ESQ., LL.B., *Vice-President*

CHARLES LACHMAN, LL.D., *Vice-President*

JOHN WENTWORTH CLAWSON, M.A., Sc.D., *Dean*

MRS. JOHN W. CLAWSON, *Secretary*

MISS ELIZABETH R. PURDUM, B.S., *Clerical Assistant*

WILLIAM J. PHILLIPS, PH.D., *Registrar*

WILLIAM S. PETTIT, M.S., *Assistant Registrar*

MISS AGNES J. DONAHUE, B.A., *Secretary*

MRS. RICHARD E. TYLER, *Secretary*

THE REV. ALFRED L. CREAGER, B.S., B.D., *College Chaplain*

G. SIEBER PANCOAST, M.A., *Dean of Men*

J. DOUGLAS DAVIS, M.A., *Resident*

H. LLOYD JONES, JR., M.A., *Resident*

E. PARKER WORLEY, B.A., B.A., IN L.S., *Resident*

MISS CAMILLA B. STAHR, B.A., *Dean of Women*

MRS. WILLIAM U. HELFFERICH, B.LITT., *Preceptress*

MRS. J. K. SCHLAYBACH, *Preceptress*

MISS A. ETNA LAPPIN, *Preceptress*

MRS. G. HENRY SHRYOCK, *Preceptress*

MRS. FOSTER L. DENNIS, B.A., *Preceptress*

MISS MILDRED MORRIS, *Preceptress*

MRS. ROGER P. STAIGER, B.A., *Preceptress*

MRS. JOHN R. JACKSON, *Preceptress*

MRS. EDGAR BAIRD, *Preceptress*

MRS. B. W. SIPLEY, B.A., *Preceptress*

MRS. CHARLES KING, *Preceptress*

MRS. A. E. SCHELLHASE, *Preceptress*

TILTON M. BARRON, B.A., B.S. IN L.S., *Librarian*

MISS ELIZABETH MORONEY, B.A., B.S. IN L.S., *Assistant Librarian*

E. PARKER WORLEY, B.A., B.A. IN L.S., *Assistant Librarian*

RALPH F. WISMER, Esq., B.A., *Treasurer*

JAMES R. RUE, *Manager, Treasurer's Office*

MRS. SYLVAN BENDER, *Office Assistant*

WALLACE D. ANGSTADT, *Office Assistant*

HARVEY R. VANDERSLICE, PED.D., *Director of Placement*

MRS. J. ROBERT BAUMANN, B.S. IN C., *Secretary*

EVERETT M. BAILEY, M.A., *Director of Athletics*

JOHN B. PRICE, M.A., M.D., *College Physician*

EDWARD H. PLATTE, M.D., *Assistant College Physician*

MISS HELEN M. MOLL, R.N., *Resident Nurse*

HORACE E. GODSHALL, *Superintendent of Buildings*

RUSSELL L. REMIG, CH.E., *Assistant Superintendent of Buildings*

JAMES E. MORRISON, *Steward*

FRANK W. HARTMAN, *Manager, Supply Store*

MRS. G. S. PANCOAST, B.A., *Alumni Secretary*

*The Faculty, 1951-1952**

NORMAN EGBERT MCCLURE, Ph.D., Litt.D., LL.D., L.H.D., *President*;
Professor of English

B.A., Ursinus College; M.A., Pennsylvania State College; Ph.D., University of Pennsylvania; Litt.D., Pennsylvania Military College; LL.D., Temple University; L.H.D., Franklin and Marshall College.

JOHN WENTWORTH CLAWSON, M.A., Sc.D. *Dean*; *Professor of Mathematics*
B.A., M.A., University of New Brunswick; B.A., Cambridge University; Sc.D., Ursinus College.

CARL VERNON TOWER, Ph.D., *Professor of Philosophy, Emeritus*
B.A., M.A., Brown University; Ph.D., Cornell University.

ELIZABETH BRETT WHITE, Ph.D., *Professor of History, Emeritus*
B.A., Cornell University; M.A., University of Wisconsin; Ph.D., Clark University.

MARTIN WEAVER WITMER, B.A., *Professor of English, Emeritus*
B.A., Franklin and Marshall College.

JESSE SHEARER HEIGES, M.A., Ped.D., *Professor of Education, Emeritus*
B.A., M.A., Ursinus College; M.A., New York University; Ped.D., Ursinus College.

JAMES LANE BOSWELL, Ph.D., *Professor of Economics*
B.A., Georgetown College; M.A., Ph.D., University of Pennsylvania.

RUSSELL DAVIS STURGIS, Ph.D., *Professor of Chemistry*
B.A., University of Delaware; M.S., Ph.D., University of Pennsylvania.

GEORGE RUSSELL TYSON, Ph.D., *Professor of Psychology and Education*
B.S., M.A., Ph.D., University of Pennsylvania.

JOHN HAROLD BROWNBAC, B.A., Sc.D., *Professor of Biology*
B.A., Sc.D., Ursinus College.

MAURICE OBERLIN BONE, B.C.S., *Professor of Economics*
B.C.S., Northwestern University.

FRANK LEROY MANNING, Ph.D., *Professor of Mathematics*
B.S., Cornell University; M.S., Rutgers University; Ph.D., Cornell University.

* Listed in order of appointment to present rank; appointments of the same year are listed alphabetically.

- DONALD GAY BAKER, PH.D., *Professor of Greek*
B.A., Haverford College; M.A., Ph.D., Harvard University.
- GEORGE WELLINGTON HARTZELL, PH.D., *Professor of German*
B.A., Lehigh University; M.A., Ph.D., University of Pennsylvania.
- CALVIN DANIEL YOST, JR., PH.D., *Professor of English*
B.A., Ursinus College; M.A., Ph.D., University of Pennsylvania.
- MAURICE WHITMAN ARMSTRONG, S.T.M., PH.D., *Professor of History*
B.A., M.A., Dalhousie University; B.D., Pine Hill Divinity Hall;
S.T.M., Ph.D., Harvard University.
- WILLIAM SCHUYLER PETTIT, M.S., *Assistant Registrar; Professor of Chemistry*
B.S. in Chem., M.S., University of Pennsylvania.
- HARVEY ROSEN VANDERSLICE, M.A., PED.D., *Professor of Education*
B.A., Ursinus College; M.A., University of Pennsylvania; Ped.D.,
Ursinus College.
- PAUL RAYMOND WAGNER, PH.D., *Professor of Biology*
B.S., Ursinus College; M.S., Ph.D., University of Pennsylvania.
- CHARLES LYON CHANDLER, B.A., LL.D., *Professor of Political Science*
B.A., Harvard University; LL.D., University of Porto Alegre; LL.D.,
University of Bogota.
- EVERETT MARTIN BAILEY, M.A., *Director of Athletics; Professor of Physical Education*
B.P.E., B.S., Springfield College; M.A., Columbia University.
- JOHN JACOB HEILEMANN, PH.D., *Professor of Physics*
B.A., M.A., Ph.D., University of Pennsylvania.
- CHARLES DAVID MATTERN, PH.D., *Professor of Philosophy*
B.S., Ursinus College; Ph.D., University of Pennsylvania.
- EUGENE HERBERT MILLER, PH.D., *Professor of Political Science*
B.A., Ursinus College; M.A., Ph.D., Clark University.
- WILLIAM FRANKLIN PHILIP, MUS. DOC., *Professor of Music*
Mus.B., Mus.M., Mus.Doc., State Academy of Church and School
Music, Berlin.
- FOSTER LEROY DENNIS, PH.D., *Professor of Mathematics*
B.S., Ursinus College; M.A., Cornell University; Ph.D., University of
Illinois.

- WILLIAM JOHN PHILLIPS, PH.D., *Registrar; Professor of English*
B.A., M.A., Ph.D., University of Pennsylvania.
- ALFRED MILES WILCOX, M.A., *Professor of French*
B.A., Wesleyan University; M.A., Brown University.
- ELEANOR FROST SNELL, M.A., *Professor of Physical Education*
B.A., University of Nebraska; M.A., Columbia University.
- ALLAN LAKE RICE, PH.D., *Professor of German*
B.A., M.A., Ph.D., University of Pennsylvania.
- TILTON MARSHALL BARRON, B.S. IN L.S., *Librarian*
B.A., Colorado College; B.S. in L.S., Columbia University.
- CORNELIUS WEYGANDT, PH.D., LITT.D., LL.D., *Visiting Professor of English*
B.A., Ph.D., Litt.D., University of Pennsylvania; Litt.D., Franklin and
Marshall College; LL.D., Susquehanna University.
- JAMES ALLAN MINNICH, M.A., *Associate Professor of Education*
B.S., M.A., University of Pennsylvania.
- *WILLIAM SPENCER CHILD, PH.D., *Associate Professor of English*
B.A., M.A., Ph.D., University of Pennsylvania.
- GARFIELD SIEBER PANCOAST, M.A., *Dean of Men; Associate Professor of
Political Science*
B.S., Ursinus College; M.A., University of Pennsylvania.
- HELEN THOMPSON GARRETT, PH.D., *Associate Professor of French*
B.A., Swarthmore College; *Diplome*, University of Lille; Ph.D., Univer-
sity of Pennsylvania.
- ALFRED LEON CREAGER, B.S., B.D., *Chaplain; Associate Professor of the
History of the Christian Church*
B.S., Ursinus College; B.D. The Theological Seminary, Lancaster.
- RAYMOND VICTOR GURZYNSKI, M.ED., *Assistant Professor of Physical
Education*
B.S., Ursinus College; M.Ed., Temple University.
- KUHRT WIENEKE, M.S., *Assistant Professor of Physical Education*
B.A., Thiel College; B.P.E., Springfield College; M.S., Pennsylvania
State College.
- GEOFFREY DOLMAN, M.A., *Assistant Professor of English*
B.A., M.A., University of Pennsylvania.

* On leave, 1951-52.

- JAMES DOUGLAS DAVIS, M.A., *Assistant Professor of History*
B.A., Ursinus College; M.A., University of Pennsylvania.
- BLANCHE BEATRICE SCHULTZ, M.S., *Assistant Professor of Mathematics*
B.S., Ursinus College; M.S., University of Michigan
- EVAN SAMUEL SNYDER, M.S., *Assistant Professor of Physics*
B.S., Ursinus College; M.S., University of Pennsylvania.
- ROGER POWELL STAIGER, M.S., *Assistant Professor of Chemistry*
B.S., Ursinus College; M.S., University of Pennsylvania.
- ELIZABETH MORONEY, B.S. IN L.S., *Assistant Librarian*
B.A., B.S. in L.S., Syracuse University.
- E. PARKER WORLEY, B.A. IN L.S., *Assistant Librarian*
B.A., B.A. in L.S., University of Oklahoma.
- JESSIE ASHWORTH MILLER, PH.D., *Lecturer in Sociology*
B.A., University of Maine; M.A., Ph.D., Clark University.
- MARIAN GERTRUDE SPANGLER, B.A., *Instructor in Music*
B.A., Ursinus College.
- JAMES CLIFFORD HIRST, M.S., *Instructor in Psychology*
B.S., Franklin and Marshall College; M.S., Purdue University.
- HOWARD LLOYD JONES, JR., M.A., *Instructor in English*
B.A., University of Delaware; M.A., University of Pennsylvania.
- AMMON GEORGE KERSHNER, JR., M.A., *Instructor in English*
B.S., M.S., M.A., University of Pennsylvania.
- WILLIAM THOMAS PARSONS, M.A., *Instructor in French*
B.A., Ursinus College; M.A., University of Pennsylvania.
- HARRY CLAY SYMONS, B.A., *Instructor in Economics*
B.A., Pennsylvania State College.
- JAMES ROBINSON HERBSLEB, M.A., LL.B., *Instructor in Economics*
B.A., College of the Pacific; LL.B., M.A., Temple University.
- WALTER WOODROW MARSTELLER, B.S., *Instructor in Physics*
B.S., Ursinus College.
- ALFRED D. ROBERTS, M.A., *Instructor in Romance Languages*
B.A., Ursinus College; M.A., University of Pennsylvania.
- MARGARET JANE PLATT, B.S., *Instructor in Physical Education*
B.S., East Stroudsburg State Teachers' College.
- HARRY A. SPANGLER, B.S., *Assistant in Physical Education*
B.S., Shippensburg State Teachers' College.

MARJORIE ANNE FRETZ, B.S., *Assistant in Biology*
B.S., Ursinus College.

OFFICERS OF THE FACULTY

Chairman, THE PRESIDENT

Secretary, PROFESSOR YOST

ACADEMIC COUNCIL

THE PRESIDENT

PROFESSOR YOST

THE DEAN

PROFESSOR BONE

PROFESSOR MATTERN

ADVISERS

Mathematics Group, Professor Manning

Chemistry-Biology-Physics Group, Professors Brownback, Sturgis, Tyson,
and Heilemann

History-Social Science Group, Professors Armstrong and Miller

English Group, Professor Yost

Foreign Languages Group, Professors Hartzell, Wilcox and Baker

Business Administration Group, Professor Boswell

Physical Education Group, Professor Vanderslice

COMMITTEES

Admission and Standing: THE PRESIDENT, DEAN CLAWSON, PROFESSOR
MILLER, PROFESSOR PETTIT, PROFESSOR MANNING, PROFESSOR
PHILLIPS

Library: THE PRESIDENT, THE LIBRARIAN, PROFESSOR ARMSTRONG, PRO-
FESSOR YOST, PROFESSOR STURGIS.

Scholarships: THE PRESIDENT, DEAN CLAWSON, PROFESSOR MILLER, PRO-
FESSOR PETTIT, PROFESSOR MATTERN, PROFESSOR PHILLIPS.

Discipline: DEAN CLAWSON, DEAN STAHR, DEAN PANCOAST, THE CHAP-
LAIN, PROFESSOR WILCOX, THE REGISTRAR, PROFESSOR WAGNER.

Student Activities: PROFESSOR BROWNBACK, PROFESSOR BONE, DEAN STAHR,
MR. CREAGER, DEAN PANCOAST.

Student Publications: PROFESSOR MATTERN, PROFESSOR BONE, PROFESSOR
BROWNBACK, PROFESSOR PHILLIPS, MR. JONES, MR. DOLMAN.

Athletics: PROFESSOR BAILEY, DEAN PANCOAST, PROFESSOR DENNIS, PRO-
FESSOR VANDERSLICE.

Forum: PROFESSOR ARMSTRONG, PROFESSOR MILLER.

THE ALUMNI ASSOCIATION

Graduates of the College and all persons admitted to a degree higher than the first in the institution are eligible to active membership. Non-graduate former students may become associate members.

The Association is entitled to a representation of five members in the Board of Directors. These members are nominated by the Association and serve five years.

OFFICERS FOR 1951-52

President—Dr. Kermit Black, 116 S. 6th Street, Perkasié, Pa.

Vice President—Carroll L. Rutter, Esq., 152 High St., Pottstown, Pa.

Secretary-Treasurer—Marjorie Shaffer Krug, 744 Main St., Trappe, Pa.

URSINUS ALUMNI ASSOCIATION OF YORK

President—John S. Throne, 415 N. Hartley St., York, Pa.

Vice President—John F. Rauhauser, 46 N. Clinton St., York, Pa.

Secretary—Helen Lucas Blum, 183 Merion Rd., York, Pa.

Treasurer—Charles M. Bowen, 13 Ridgeway Drive, York, Pa.

URSINUS ALUMNI ASSOCIATION OF NEW YORK

President—Nicholas J. Paladino, 101 Bowers St., Jersey City, N. J.

Vice President—Mrs. Robert L. Bateman, 331 Park Ave., Manhasset, N. Y.

Secretary—Mrs. John Theurer, Jr., 5639 Netherland Ave., Riverdale, N. Y.

Treasurer—J. Wilbur Clayton, 39 Johnson Road, W. Orange, N. J.

URSINUS ALUMNI ASSOCIATION OF BERKS COUNTY

President—Thomas Clark, 210 Emerald Ave., Pennside, Reading, Pa.

Secretary—Mrs. J. William Bagley, R. D. 1, Birdsboro, Pa.

URSINUS ALUMNI ASSOCIATION OF LEHIGH VALLEY

President—Floyd Heller, Jr., 1852 Richmond Ave., Bethlehem, Pa.

Secretary—Mildred Hahn, 2810 Jewel Street, Easton, Pa.

Admission

THE FIRST STEP in seeking admission to Ursinus College is the filing of a formal application. A form for this purpose may be had by addressing the Registrar, Ursinus College, Collegeville, Pa. Upon receipt of this form properly filled out the College will send to the applicant's school principal or headmaster for the school record. Further inquiry is made as to the character and fitness of the candidate to do the work of the institution, and if found qualified the applicant is notified and a place is reserved for him in the College. Each *new student remains on probation during his first semester*. Each candidate for admission must present a certificate of sound health on a form provided by the Registrar.

All candidates for admission to the Freshman Class must take the Scholastic Aptitude Test and the English Composition Sub-test of the College Entrance Examination Board. If the Committee on Admission and Standing deem it advisable, candidates for admission may be required to take additional tests specified by the Committee, so that their fitness to do college work may be fairly evaluated. Scores made on these tests are used not only in selecting members of the Freshman Class but also in placing them in certain courses after selection. The Committee on Admission and Standing may in exceptional cases prescribe other tests than those of the College Entrance Examination Board.

Candidates for admission should place their application with the College not later than the close of the first term of the final year in high or preparatory school. Upon receipt of their full credentials they will be informed specifically of tests they must take to be considered for admission.

TERMS OF ADMISSION

IF THE APPLICANT is a graduate of a four year school, he should offer for admission at least fifteen units; if he is a graduate of a senior high school, he should offer at least twelve units.

The applicant should present the following units: English 3, Elementary Algebra, 1; Plane Geometry, 1; Science, 1; Social Studies, 1; Foreign Languages, 2. On the standard four year basis for consideration two and one-half additional units in acceptable Mathematics, Science, Social Studies, or Foreign Language should be included. Additional units of electives to a maximum of three and one-half may be accepted in the following subjects: Bookkeeping, Drawing, Geology, Physiography, Stenography, Junior Business Training, Music (prepared course), Commercial Law, and Commercial Geography. *Not more than one unit may be accepted in any single elective.* A candidate from a three year high school may not present a total of more than one unit of electives unless he desires to enter the Business Administration Group, in which case he may present two.

Applicants for admission to the Business Administration Group will not be required to present the normal two entrance credits in Foreign Language, but will be permitted to substitute in place of Foreign Language additional units in Bookkeeping, Stenography, Junior Business Training, Commercial Law, and Commercial Geography. Not more than two such units will be permitted in any single subject. *A student so admitted must meet the normal Foreign Language requirement for graduation.*

Candidates whose preparation does not precisely coincide with the foregoing outline may in exceptional cases be admitted to the College if, in the judgment of the Committee on Admission, they are qualified to do satisfactory college work.

A limited number of applicants for admission may be received as *Special Students*, provided they have satisfactory preparation for the college courses which they desire to pursue.

When admitted, special students are enrolled as members of the groups they choose to enter and are under the direction of the regular advisers. Special students must register for at least twelve hours of work in each semester, and are held accountable for the satisfactory completion of courses for which they register. They are subject to the same regulations as other students.

ADMISSION TO ADVANCED STANDING

APPLICATIONS for admission to advanced standing should be made to the Registrar of the College. The applicant should request the institu-

tion last attended to send to the Registrar a transcript of the student's record accepted for admission, a transcript of his record there, and a certificate of honorable dismissal.

Not more than sixty semester hours of work taken at another institution will be credited to students who transfer to Ursinus College.

THE FIFTH YEAR FOR TEACHERS

ALTHOUGH the completion of four years of college work leading to the Bachelor's degree is still widely regarded as a sufficient minimum preparation for teaching in secondary schools, several states and a number of cities require the completion of a fifth year of preparation leading to the Master's degree. Even if the fifth year of preparation does not become a universal legal requirement, it is certain that those who wish to teach will find a fifth year of preparation desirable in many ways.

In addition to the four year curriculum for prospective teachers, the College offers a five year curriculum for prospective teachers. In the five year curriculum the work of the fourth year and of the fifth year is planned to meet the needs of each candidate. The primary purpose is to give the student a more extended and thorough preparation for teaching than is possible in four years. The five year curriculum is not recommended for those who are interested in supervision or administration, or for those who plan to prepare themselves for college teaching.

A candidate who wishes to be admitted to the five year curriculum should apply simultaneously to the Dean and to the Registrar, preferably at the end of the third year. If the candidate is admitted to the five year curriculum, the Dean, the Group Adviser, and the Chairman of the Department of Education will plan his program for the fourth year and the fifth year. No courses in Education, except courses in special methods, will ordinarily be included in his fourth year schedule. Practice teaching will be included in his fifth year schedule.

The Bachelor's degree will be awarded for the satisfactory completion of four years of work (120 semester hours). The Master's degree will be awarded for the satisfactory completion of the fifth year of work (27 hours).

The Master's degree is awarded only to a candidate who has completed the five year curriculum for prospective secondary school teachers. *The work of the fifth year is not to be considered as meeting in part or in full the requirements for a Master's degree at another college or as*

meeting in part the requirements for a Doctor's degree. Students in the five year program are required to maintain an average of B during the fifth year.

PROGRAMS IN SPECIAL FIELDS

URSINUS is a college of liberal arts and sciences. This means that Ursinus emphasizes a broad, general education for all regardless of the particular career for which a student plans to prepare. In addition, it is possible at Ursinus to prepare for specific careers in the fields listed below. A placement service maintained by the College assists the student in locating a position in the field of his choice.

Business. Graduates in the Business Administration Group find employment as accountants, secretaries, junior executives, sales managers, and the like. They are employed by many types of industrial concerns, banking institutions, public utilities, transportation companies, department stores, chain stores, etc. By electing Spanish, it is possible for students majoring in business to prepare for the growing opportunities in South American trade.

Chemical Research: Industrial Chemistry. The Chemistry-Biology Group provides opportunities for students desiring to major in Chemistry with a view to devoting their lives to some type of chemical research. Graduates find employment with large chemical companies doing pioneer work in the field of chemical investigation and research.

Dentistry. The Council on Dental Education of the American Dental Association fixes as the minimum basis for admission to an approved dental school the successful completion of two full years of academic work in an accredited college of liberal arts and science. This college work must include courses in English, biology, physics, inorganic and organic chemistry.

Educational Administration. Basic courses in education are provided which are pre-requisite to the professional courses in educational administration offered in graduate schools of education of leading universities.

Foreign Service. The American Foreign Service presents attractive opportunities to a limited number of young people who are willing to prepare themselves adequately for service abroad. The History-Social Science course, together with offerings available in the modern languages, provides preparation for the examinations required of applicants for

positions in foreign service. Upon graduation students are urged to pursue additional work at a recognized graduate school.

Graduate Study. One purpose of the curriculum of the modern liberal arts college is to prepare students for advanced study in various fields of knowledge. Preliminary study is done by the student at the undergraduate level in his chosen major field. Those intending to enter graduate schools should have a thorough grounding in their chosen field. As a reading knowledge of French and German is essential for most higher degrees, this knowledge should be acquired in the undergraduate school.

Health and Physical Education. By following the program outlined in the following pages it is possible to specialize in health and physical education and at the same time obtain a general cultural education. Health and physical education graduates meet the requirements for certification to teach in this field in Pennsylvania and other states.

Journalism. A student interested in journalism should enroll in the History-Social Science or the English Group and elect widely in other fields. Following graduation from college a year at a professional school of journalism is recommended.

Laboratory Technician. It is possible to arrange for either a two year or a four year course of preparatory work, although the latter is strongly recommended as the preferred training.

Law. As a general rule leading law schools require a baccalaureate degree as one of the conditions for acceptance of candidates. A broad, cultural education is considered the best preparation for legal study. Courses which emphasize reasoning are especially valuable.

Medicine. The Chemistry-Biology Group is designed to prepare students who are interested in the various aspects of medicine. Preparation for schools of osteopathy and of veterinary medicine, as well as for the regular medical schools, is provided.

Music. Although a considerable number of courses in music are available at Ursinus, no major in music is offered. Those who wish to follow music as a career should plan to attend graduate school after completing their work at Ursinus.

Physical Research. A special curriculum in connection with the Chemistry-Biology-Physics Group is offered to students interested in physics as a career.

Psychology. Undergraduate work in Psychology is designed for those who seek admission to graduate schools or who wish to enter personnel work in industry. Undergraduate study in Psychology is of assistance in the fields of teaching, guidance, law, clinical psychology, personnel and social work, nursing, and preparation for medicine.

Teaching. Work in education as required by many of the state departments of Education, including practice teaching, is offered to those who plan a career in education. Teacher preparation is limited to the secondary school field. Students follow curricula under the guidance of group advisers.

Theology. Most leading theological schools have as a requirement for consideration for admission a degree of B.A. Students who are preparing for the ministry should plan a broad course of study which will include history, languages, and literature, although specific subjects are not ordinarily specified by seminaries as necessary for admission. The History-Social Science or the English Group is usually recommended to students preparing for the ministry.

ACCELERATION OF COURSE

THE COLLEGE year at present consists of two terms of sixteen weeks each and a Summer Term of twelve weeks divided into two six week sessions. Students are admitted to the College at the beginning of each term. Students who wish to do so may accelerate their college courses by attending the Summer Term as well as the Fall and Spring Terms. The Summer Term is available to all students who wish to take advantage of it.

REGISTRATION

ALL STUDENTS must register at the beginning of the Fall Term for the work of the Fall and Spring Terms, and will not be allowed to change their registration or drop courses of study later than one week after Registration day except by special permission of the Faculty. A fee of one dollar is charged for registration on days other than those appointed in the College Calendar for the registration of students.

ABSENCES

IF A STUDENT is absent from class on account of exigencies such as illness, the death of a relative, or duty away from the College as a representative of the institution, the student should obtain a written statement from

his doctor, from the College nurse, or from the athletic director, adviser of debating or other College officer certifying the reason for absence on a definite date or dates. In special cases the Dean may give students such a statement, and statements from persons other than college officials will be accepted if initialed by the Dean. Such statements are to be shown to the instructor of each course missed (and with regard to Chapel to the Dean of Men) no later than a week after returning to class. The instructor will record the absence as *excused*. A student is allowed during a term two *unexcused* absences in any course.

If the total number of absences, excused and unexcused, exceeds twice the number of exercises per week in that course, the student in question may be dropped from the course by the Dean and the instructor in charge in consultation with the Adviser. If he is allowed to continue, he must make up the work missed. If he is dropped, he will be given a grade of F or W.

If the allowed number of *unexcused* absences is exceeded, the student in question must secure a permit from the Dean in order to take the final examination, for which he will be charged a fee of five dollars.

A third year or a fourth year student is permitted absences if during the preceding term he has received no grade lower than B and at least one A.

A student who absents himself from a test previously announced must take a special test, for which he must pay a fee of one dollar. Permits for such tests must be obtained at the Dean's office.

GROUP ADVISERS

AT THE BEGINNING of the year the Faculty appoints from its own number an Adviser for the students in each of the eight groups in which the courses of instruction are offered. The Group Adviser is the medium of communication between the Faculty and the students of his group. The approval of the Group Adviser is necessary before a student may register for or enter upon any course of study, or discontinue any work.

The Educational Program

THE GROUPS

THE GROUP SYSTEM is employed in the organization and administration of instruction. By this system, the courses of instruction are offered in carefully arranged groups, each comprising (1) dominant subjects which adapt the group to the intellectual tastes and the future purposes of the student, (2) other prescribed subjects essential to a liberal education and required of all students, and (3) elective subjects from which may be selected studies meeting the particular objectives of each individual. A student, at matriculation, chooses the group of studies he desires to pursue, and with the advice and consent of his adviser, selects his studies for the year and reports the same to the Dean on a blank provided for the purpose. By virtue of this act he becomes a member of the group of his choice and as such is officially recognized thereafter in all acts and processes of administration in the College. A student who is uncertain on entering college as to his future plans and, therefore undecided as to the group of studies he should pursue, may make a temporary choice and change to any group he may prefer at the end of the first year.

CHOICE OF STUDIES

IN REGISTERING, the student must present his complete list of studies, both prescribed and elective, *for the whole year*.

Courses to satisfy conditions take precedence over regular courses. It is strongly advised that conditions be made up in summer so as not to interfere with the proper arrangement of one's curriculum.

In selecting studies for the year, the student will follow the synopsis of his group as presented although, with the approval of his adviser and of the Dean, he may substitute other studies for the elective courses listed, or at the beginning of a year may change from one group to another.

Courses prescribed as degree or group requirements must take precedence over and be scheduled before elective courses.

When a student changes to another group, he will receive credit toward graduation only for those prescribed courses which he may have completed that are included in the group to which he has received permission to change.

REQUIREMENTS FOR GRADUATION

The requirement for the degree of Bachelor of Arts or Bachelor of Science is the completion of *one hundred and twenty semester hours of work*, within which must be included all the courses required by the Faculty of all students for graduation and the courses required by the group to which the student belongs. At least sixty semester hours of this work must have been taken at Ursinus College, and this must include the work of the senior year.

A student may not take in any one term less than twelve semester hours of work. The normal maximum for a term is five courses or fifteen semester hours. Two semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding term is eighty or higher. Three semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding term is eighty-five or higher.

With the permission of the Dean, a student in the Physical Education Group may take in each term two semester hours more than the maximum set for the other groups.

The courses required of all students for graduation are the following:

In the first year

English Composition 1-2

History 1-2

Foreign Languages 1-2 or 3-4

Biology 3-4, Chemistry 1-2, or Physics 1-2 (if prerequisites are satisfied)

Physical Education 101-2

(No semester hour credit. Not required of students in the Physical Education Group)

The remaining first year course is to be selected from Mathematics 1-2, Mathematics 1a-2a, a second foreign language, English Literature 17, 18. Economics 3, 4, Political Science 1-2, or Religion 1, 4, or 6. This course

may be prescribed under group requirements. History 1-2 or the Science course may be postponed until the second year if group requirements make it necessary.

In the second year

English Literature 3-4, or 17, 18, or 19-20

English Composition 3-4

Foreign Languages 3-4, if not previously completed

In the third year

Economics 3, 4, if not previously completed, or

Political Science 1-2, if not previously completed

In the second or third year—Psychology 1

In the second, third, or fourth year—Philosophy (a one semester course)

The work of every student is composed of three parts. The first part consists of the courses just named, which are required of all students and which are, in the judgment of the Faculty, essential to a liberal education. The second part consists of the courses required by the group to which the student belongs for the major subject in which he is concentrating. Within the seven groups, there are fourteen major subjects offered—Biology, Chemistry, Economics and Business Administration, Classical Languages, English, French, German, History, Mathematics, Physical Education, Physics, Political Science, Psychology, and Spanish. The requirements for a major in each of these subjects will be found listed under the several Departments in the Courses of Instruction. The third part consists of the courses the student elects of those offered for which he is eligible. These courses are a means of further individualizing the course of study for each student and of fitting it to his needs and desires.

The specific courses in addition to the College requirements for graduation that must be taken to satisfy the group requirements for the several majors are as follows:

Biology. Biology 3-4; 6; 7-8; 9-10; 11-12; 17-18; Physics 1-2; Chemistry 1-2; Mathematics 1, 2 or 1a, 2a.

Students majoring in Biology who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Biology 9-10, 17-18.

Chemistry. Chemistry 1-2; 14; 3-4; 5-6; 7-8; 9-10; Mathematics 1a, 2a; 3-4; Physics 1-2; Biology 3-4.

Students majoring in Chemistry who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Chemistry 3-4; 5-6; 9-10.

Classical Languages. Students majoring in Classical Languages are required to take at least 12 semester hours of Greek and 12 semester hours of Latin, beyond Latin 1-2. In the first half of his senior year, each student must take the Seminar in Classical Studies, Greek 7. In the examination at the close of this course, he will be expected to show a satisfactory general knowledge of Greek and Roman literature, language, art, history, geography, mythology, religion, and private life. For this examination the student is expected to prepare himself (with the advice and help of the instructor) throughout his previous three years both by courses and by outside reading.

Business Administration and Economics. Students majoring in this department must take a minimum of thirty (30) semester hours of work in the department, including Courses 3 and 4, and twelve (12) semester hours of work in Political Science, including Course 1-2.

A student may, if he wishes, concentrate in Accounting, Economics, Finance, or Industrial Relations, as is indicated by the grouping of courses as shown below:

Accounting: Economics 3, 4, 6, 11, 12, 15, 19, 20; Mathematics 13, 14; Electives in the department six (6) semester hours.

Economics: Economics 3, 4, 8, 9, 10, 14, 17, 21; Electives in the department six (6) semester hours.

Finance: Economics 3, 4, 6, 9, 10, 11, 12, 13, 15; Mathematics 13, 14.

Industrial Relations: Economics 3, 4, 5, 18, 22, 23; Electives in the department twelve (12) semester hours.

English. English Literature 3-4; 5, 6; 7, 8; 9, 10; 11-12; 19-20; History 7-8; 9-10.

Students preparing for graduate study in English should elect French and German as their modern languages. Study in classical languages is also strongly recommended for such students.

French. French 5, 6, 9, 15, 16. One of following courses: French 7, 8, 10. One of following courses: French 11-12; 13-14; History 3-4; Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

German. German 5, 6; 7, 8; 10; 13-14; twelve (12) semester hours' study in another language.

Health and Physical Education. Physical Education 1, 2; 3; 5, 6; 7, 8; 9, 10; 14; 16, 17; 19; 20; 22; 201-2; 203-4; 205-6; 207-8; Chemistry 1-2; Biology 3; 1 or 2; 17-18; History 20; Sociology 1.

History. History 5-6; 9-10; ten (10) semester hours in elective courses in History, including one seminar; Economics 3, 4; Sociology 1; Political Science 1, 2.

Mathematics. A member of the Mathematics Group normally takes Mathematics 1a, 2a, and 5-6 in the first year; Mathematics 3-4 and Physics 1-2 (to satisfy the general requirement in science) in the second year. For graduation at least 30 semester hours in Mathematics are required.

For students expecting to teach, the recommended courses in Mathematics are Problems, the Teachers' Course, Statistics, Theory of Equations, and Modern Geometry.

Students expecting to go into business, insurance or the actuarial profession should take a third year of English, and two years of Accounting. The recommended courses in Mathematics are Mathematics of Finance, Statistics, Finite Differences and Probability.

Students expecting to attend a graduate school, or engineering school, or interested in scientific applications should take courses in their chosen science. The recommended courses in Mathematics are the Calculus, Vector Analysis, Group Theory, and Theory of Functions of a Complex Variable.

Physics. Physics 1-2; 3-4; 5, 6; 7-8; Mathematics 1a, 2a; 3-4; 7-8; 9, 10; Chemistry 1-2, 14.

Students majoring in Physics who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Physics 7-8; Mathematics 9, 10.

Political Science. Political Science 5, 6; Electives in the department twelve (12) semester hours; History 9-10; Economics 3, 4; Sociology 1, 2.

It is recommended that Political Science 1-2 be taken in the first year, Political Science 5, 6 and Economics 3, 4 in the second year, and History 9-10 in the third year.

Psychology. Psychology 1, 4, 5, 6, 8, 10, 12; Biology 3, 11-12; Mathematics 15-16. First Year—Biology 3. Second Year—Psychology 1, 8; Biology 11-12. Third Year—Psychology 5 (Education 3), 6; Mathematics 15-16; Fourth Year—Psychology 4, 10, 12.

The following courses are suggested but not required: Physics 1-2 (for those who have not had high school physics); Philosophy 3 or 4.

Spanish. Spanish 5, 7, 8, 13-14.

History 3-4, 21-22.

Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

GRADES OF SCHOLARSHIP

ON THE COMPLETION of a course the standing of the student is expressed, according to his proficiency, by one of six grades, designated by letters: A, B, C, D, E, and F. The signs + and - may follow the letters to denote further differences in proficiency. Letter A is taken to denote grades between 100% and 90%, B between 90% and 80%, and so on. The grade E denotes a failure which may be made up by re-examination. The grade F at the end of a term denotes a failure such that the class work must be repeated in order to secure credit for the course. For the purpose of taking averages, grade E is reckoned as equivalent to 55% and grade F as equivalent to 45%.

If by the end of the year a first year student fails to make an average of at least 65%, and if by the end of the year a student of a higher class fails to make a cumulative average of at least 70%, he is discontinued unless, on account of mitigating circumstances, he is permitted to remain by special action of the Faculty.

A permanent record is kept of each student's work, and a copy of the same is sent to his parent or guardian at the close of each term. The standing of first year students is reported also at mid-term. Through correspondence and conferences, the cooperation of parents is sought in the endeavor to obtain the best possible results in the work of students.

DEGREES

URSINUS COLLEGE confers four degrees in course—Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science. For specific requirements of the curricula leading to each of these degrees, see pages 24 and 30 *et seq.* Degrees are conferred only at convocations and candidates must present themselves in person.

The College may confer the honorary degrees of Doctor of Divinity, Doctor of Pedagogy, Doctor of Science, Doctor of Letters, and Doctor of Laws on persons whose distinguished ability and service have been

deemed worthy of such recognition by the Faculty and the Board of Directors.

HONORS

COMMENCEMENT PARTS

Two COMMENCEMENT honors are assigned: one, the Valedictory, to the person attaining the highest standing in the graduating class; the other, the Salutatory, to the person attaining the next highest standing.

GRADUATION WITH DISTINCTION

Members of the graduating class who have shown great proficiency in their entire course may be graduated with distinction if, in the opinion of the Faculty, their attainments warrant such honors. These distinctions, *Summa Cum Laude*, *Magna Cum Laude*, and *Cum Laude*, are given only for unusual excellence in all the subjects pursued by the candidate.

DEPARTMENT HONORS

Students may be graduated with special honors in departments of study in which they have shown exceptional proficiency, and in which they have done extra work.

1. A candidate for Department Honors must have the endorsement of the professor in charge of the department in which he expects to try for such honors, and must enroll as a candidate at the Dean's office at least eight months prior to the anticipated date of graduation.

2. A student must maintain a grade not lower than C in any course pursued after the first year and must maintain an average of B while he is pursuing his work as a candidate for Department Honors.

3. A candidate must complete an amount of work equivalent to three semester hours in the department in which he intends to try for honors in addition to the full number of semester hours prescribed for graduation. At least twelve semester hours must be in the subject in which he is registered for Department Honors. He must submit to the Faculty a thesis on some subject within the field represented by his extra work. The thesis must be presented at least one week before the time set for the senior final examinations.

Prizes

THE PHILIP H. FOGEL MEMORIAL PRIZE

THE PHILIP H. FOGEL Memorial Prize of \$25 is awarded annually to the member of the Senior Class who has attained the highest excellence in the Department of Religion, as shown by examination on completion of at least twelve semester hours of work. The prize has been endowed by Mrs. Edwin J. Fogel in memory of her son Philip H. Fogel, Ph.D., of the Class of 1901.

THE ROBERT TRUCKSESS PRIZE

A prize of \$25 offered by Robert Trucksess, Esquire, of Norristown, Pennsylvania, is awarded annually at commencement to the member of the graduating class who has pursued the studies of the History-Social Science Group with the definite intention of entering the profession of law, and who in his college work has revealed superior ability and promise of success as a future member of the legal profession. The competition for this prize is open only to men.

THE PAISLEY PRIZES

Two prizes of \$25 each for the best dissertations on an assigned topic by members of the Senior Class, one open to men, the other open to women, endowed by Mr. and Mrs. H. E. Paisley, of Philadelphia. These prizes are offered with a view to encouraging students in the thoughtful application of the principles of Christianity to problems of practical life. The awards are made at the annual commencement exercises.

THE ELIZABETH ROCKEFELLER MC CAIN PRIZE

A prize of \$50 has been endowed in perpetuity by the late George Nox McCain, Litt.D., of Philadelphia, as a memorial to his mother, Elizabeth Rockefeller McCain. This prize is awarded at each annual commencement to the student who at the end of the second year has shown greatest ability in the knowledge and use of the English language as indicated by work in composition and literature.

THE BOESHORE PRIZES

Two prizes of \$25 each, endowed by Mr. and Mrs. Miller H. Boeshore of Philadelphia, one open to men, the other open to women, will be

awarded at each annual commencement to those students who have attained the highest standing at the end of the first year in the study of Greek.

THE DUTTERA PRIZE

A prize consisting of the income of \$500 contributed by Mrs. Amos Duttera of Taneytown, Maryland, to be awarded to the student attaining the highest standing in the study of church history (Religion, Course 6).

THE URSINUS WOMEN'S CLUB PRIZE

A prize of \$20, offered by the Ursinus Women's Club, is awarded at graduation to the young woman who has attained highest distinction in athletics.

THE URSINUS CIRCLE PRIZE

A prize of \$15, offered by the Ursinus Circle, is awarded at Commencement to the young woman who has written the best pageant under the auspices of the Department of Public Speaking.

THE ELLEN BEAVER SCHLAYBACH MEMORIAL PRIZE

A prize of \$15, offered by the Omega Chi Sorority, is awarded to the woman of the Senior Class who has attained the highest scholastic average at the completion of her four years. This prize is offered in memory of one of the Sorority's former presidents, Ellen Beaver Schlaybach, Class of 1938.

THE GEORGE DITTER PRIZE

The George Ditter Prize of \$25 is awarded annually at commencement to that student in the graduating class whose work as a member of the History-Social Science Group gives promise of contributing most to the perpetuation of democratic self-government. This prize was established by George Ditter's son, the Honorable J. William Ditter, LL.D., and continued by George Ditter's grandchildren, Miss Mabel B. Ditter, Class of 1939, and Mr. J. William Ditter, Jr., Class of 1943.

THE ROSICRUCIAN PRIZE

The Rosicrucians, the honor society for women, have established a prize to be awarded at Commencement to the woman student who at the end of the Freshman year has the highest scholastic standing.

THE EDWIN M. FOGEL PRIZE

The Edwin M. Fogel Prize of \$25 is awarded annually to the student who, under the direction of the Department of History and the Department of German, submits the best essay on the contribution of the Penn-

sylvania Germans to American life and culture. The prize has been endowed by Edwin M. Fogel, Class of 1894.

THE ELIZABETH B. WHITE PRIZE

A prize of \$25 is awarded annually to the woman in the Senior Class who has chosen History as her major subject in college and who, in the judgment of the Department of History, gives greatest promise of successful continuance in that field or in social welfare work. This prize was established by Dr. Elizabeth B. White, Emeritus Professor of History.

THE THOMAS JEFFERSON WILLIAMS PRIZE

A prize of \$50, established by Dr. Thomas Jefferson Williams of Buenos Aires, Argentina. This prize is awarded annually to the student submitting the best essay on the literature of Argentina.

THE GEORGE W. KEHL PRIZE

A prize of \$50 is awarded annually at commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The George W. Kehl Prize was established by Miss Ada M. Fisher, Class of 1913, in memory of her uncle, Dr. George W. Kehl, of Reading, Pennsylvania.

THE I. CALVIN FISHER PRIZE

A prize of \$50 is awarded annually at Commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The I. Calvin Fisher Prize was established by Miss Ada M. Fisher, Class of 1913, in memory of her father, I. Calvin Fisher, D.D., Class of 1889.

THE LEIBENSPERGER CHARACTER AWARD

An award of \$20 is awarded annually at Commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The Leibensperger Prize was established by Mr. and Mrs. E. D. Leibensperger, Hershey, Pa. Mrs. Leibensperger is the former Merle L. Williamson, Class of 1931.

THE CATHERWOOD FELLOWSHIP

The Catherwood Fellowship of \$1,000, provided by the Catherwood Foundation, will be awarded at Commencement in 1952 by Ursinus College to a member of the Senior Class who plans to do graduate work in the liberal arts or in law.

Scholarships

APPLICATION FOR SCHOLARSHIPS

SCHOLARSHIP application forms may be obtained from the Office of the Registrar. Candidates for Open Scholarships must complete and submit a scholarship application form and an application for admission by February 15. The regular Pre-Matriculation Fee of \$10 must accompany the application.

The College offers to each entering class eight Open Scholarships. These provide full tuition to the recipients. Candidates for Open Scholarships must take the Scholastic Aptitude Test and three sub-tests of the Scholastic Achievement Test (one of which must be in English) in the March Series of the College Entrance Examination Board.

Many Endowed Scholarships, varying in value from \$50 to \$300 a year, are available. Each scholarship is tenable for four years, provided that the holder's conduct and scholastic work remain satisfactory. All scholarships to first year students are awarded on the basis of the results of competitive examinations and need. Correspondence concerning scholarships should be addressed to the Registrar.

PERMANENT SCHOLARSHIP FUNDS

THE COLLEGE possesses a number of permanent scholarship funds. The income of each fund is assigned annually to a student designated by the College. The list of these scholarships is as follows:

The John Alexander Scholarship, founded by John Alexander, D.D., of St. Louis, Missouri, in appreciation of benefits enjoyed when a student in the College. \$1,000

The Alumni Memorial Scholarships, founded by the gifts of alumni in memory of the Ursinus men who gave their lives in the service of their country, 1941-1945, 55,596.83

The Appel Memorial Scholarship, founded under the will of the Rev. Richard S. Appel, D.D., as a memorial to his son Robert S. Appel, A.B., '01, 2,000

The Aspden Memorial Scholarship, founded by Newton J. Aspden, of Trinity

Reformed Church, Philadelphia, in memory of his beloved wife, Levinah Erb Aspden, 5,000

The Bahner Scholarship, founded in 1919 by the members of Trinity Reformed Church, Waynesboro, Pa., in honor of the Rev. Franklin F. Bahner, D.D., '73 and his wife, Mary Ella Bahner, on their completion of forty-two years of devoted service in the pastorate of the Waynesboro charge, 1,000

The Beck Scholarship, founded by the Rev. Samuel W. Beck, of Littlestown, Pa., in appreciation of the scholarships awarded to his four daughters, the income to provide scholarships for girls who plan to teach, 1,000

The Augustus Behney Scholarship, founded by Charles A. Behney, M.D., '12, in memory of his father, 3,500

The Valeria Behney Scholarship, founded by Charles A. Behney, M.D., '12, in memory of his mother, 3,550

The Bethany Tabernacle Scholarship, founded by the congregation of Bethany Tabernacle Reformed Church, Philadelphia, the Rev. H. H. Hartman, '94, pastor, 2,000

The J. William Bireley Scholarship, founded by J. William Bireley of Frederick City, Md., 1,000

The Anna M. Bomberger Scholarship, founded by Anna M. Bomberger, with gifts amounting to \$600 and completed by Mrs. H. S. Bomberger, both of Lancaster, Pa., 1,000

The John Brownback Memorial Scholarship, founded by Melinda M. Acker and Mary M. Brownback, of Uwchland, Chester County, Pa., in memory of their father, 1,000

The Mary M. Brownback Scholarship, founded under the will of Mary M. Brownback, of Uwchland, Chester County, Pa., 1,000

The Carson Scholarship, founded under the will of Captain John Carson, of Newburg, Cumberland County, Pa., 1,000

The Christ Church, Hellertown, Scholarship, founded by the congregation of Christ Evangelical and Reformed Church, Hellertown, Pa., the Rev. Adam E. Schellhase, '18, pastor, 1,000

The John H. Converse Scholarship, founded by John H. Converse, of Philadelphia, 1,000

The Cub and Key Scholarship, founded by The Cub and Key Society, 1,194.23

The Deitz Scholarship, founded by Gilbert A. Deitz, '18 and Purd E. Deitz, '18, in memory of Martha E. Deitz and Mattie A. Deitz, 1,000

The Barnabas Devitt Scholarship 1,000

The Elsie Devitt Scholarship 1,000

The Emma Mayberry Devitt Scholarship 1,000

The Devitt Scholarships were founded under the will of Emma Devitt of Philadelphia, Pa.,

The Doll Family Scholarship, founded by George Doll, Adaline Doll, and Josephine Doll of Philadelphia, 2,037.92

<i>The Charles and Elizabeth Drumm Scholarship</i> , founded by Charles Drumm, of Philadelphia, Pa.,	4,000
<i>The Erb Scholarship</i> , founded by the Rev. William H. Erb, '93, and Andora Erb,	2,000
<i>The Fetterolf Memorial Scholarship</i> , founded under the will of Abraham D. Fetterolf, of Collegeville, Pa.,	2,000
<i>The John B. and Horace A. Fetters Scholarship</i> , founded under the will of Mary M. Brownback, of Uwchland, Chester County, Pa.,	1,000
<i>The John B. Fetters Memorial Scholarship</i> , founded by Rebecca B. Fetters, of Uwchland, Chester County, Pa., in memory of her son, who died after a week's attendance at College in September, 1885,	1,000
<i>The Alice L. and William D. Fox Scholarship</i> , founded under the will of Alice L. Fox, of Lebanon, Pa.,	1,000
<i>The Henry Francis Scholarship</i> , founded by Henry Francis, of Spring City, Pa.,	1,000
<i>The Elizabeth Frey Scholarship</i> , founded by gift of Elizabeth Frey, of Stewartstown, Pa.,	11,500
<i>The Grace Church Scholarship</i> , founded by Milton Warner and Wilson H. Lear, of Grace Reformed Church, Philadelphia, Pa.,	1,000
<i>The Haines Scholarship</i> , founded by Charles Grove Haines, '03, and Bertha Moser Haines, '02,	1,749.83
<i>The Heidelberg Scholarship</i> , founded by a member of Heidelberg Reformed Church, York, Pa.	1,000
<i>The Nora Shuler Helfferich Scholarship</i> , founded to honor Nora Shuler Helfferich, '93, by her daughter-in-law, Anna Knauer Helfferich, '20, the income to be awarded to needy and deserving women students,	2,000
<i>The William Ursinus Helfferich Scholarship</i> , founded by Christ Reformed Church, Bath, Pa., on the twenty-fifth anniversary of the ministry of their pastor, and increased by later gifts,	1,490
<i>The William A. Helffrich Scholarship</i> , founded by the Rev. W. A. Helffrich, D.D., of Fogelsville, Pa.,	1,000
<i>The George W. and Francis R. Hench Scholarship</i> , founded by the Rev. S. M. Hench, D.D., of Trappe, Pa., in memory of his parents,	1,500
<i>The Mattie B. Hench Scholarship</i> , founded by Mrs. Mattie B. Hench, of Trappe, Pa.,	1,200
<i>The Joseph H. Hendricks Memorial Scholarship</i> , founded in memory of the Rev. Joseph H. Hendricks, D.D., for forty-three years (1862-1905) pastor of Trinity Church, Collegeville, and for eighteen years (1887-1905) a Director of Ursinus College, by his friend, Jacob P. Buckwalter, of Macon, Georgia,	5,000
<i>The Hilltown Scholarship</i> , founded by the Hilltown charge of the Reformed Church in the United States, Bucks County, Pa.,	1,000
<i>The Freeland G. Hobson Scholarship</i> , founded under the will of Freeland G. Hobson, LL.D., '76, of Collegeville,	1,000
<i>The Joseph and Enoch Isenberg Scholarship</i> , founded by Dorothy Isenberg, of Hollidaysburg, Pa.,	1,000
<i>The Mary E. and James M. S. Isenberg Scholarship</i> , founded by Paul H. Isenberg, '21, Lillian Isenberg Bahnney, '23, and Helen Isenberg Ballantyne, '24, in memory of their parents,	1,000

<i>The Jefferson Medical College Scholarship</i> , founded by Lewis Cass Scheffey, M.D., Sc.D., to aid students who plan to enter Jefferson Medical College,	2,600
<i>The Saint John's, Orwigsburg, Scholarship</i> , founded by the congregation of Saint John's Reformed Church, Orwigsburg, Pa., the Rev. D. R. Krebs, D.D., '02, pastor,	1,000
<i>The Keeley Scholarship</i> , founded by Joseph Keeley, of Spring City, Pa.,	1,000
<i>The Kelker Scholarship</i> , founded by Rudolph F. Kelker, of Harrisburg, Pa.,	1,000
<i>The Francis Kready Scholarship</i> , founded by Francis Kready, of Lancaster, Pa.,	2,000
<i>The Franklin W. Kremer Memorial Scholarship</i> , founded by the Rev. F. W. Kremer, D.D., with gifts amounting to \$500, and completed by the Sunday School of the First Reformed Church, of Lebanon, Pa., in grateful memory of his thirty-eight years' pastorate,	1,000
<i>The LeRoy Boyer Laubach Scholarship</i> , founded in memory of LeRoy Boyer Laubach by his mother, Mrs. M. B. Laubach, of Philadelphia, Pa.,	2,000
<i>The Sarah J. Leiphart Scholarship</i> , founded under the will of Sarah J. Leiphart, of York, Pa.,	9,842.81
<i>The Francis Magee Scholarship</i> , founded by the late Francis Magee, of Philadelphia,	1,000
<i>The Aaron E. March Scholarship</i> , founded by Aaron E. March, of York, Pa.,	2,000
<i>The Markley Scholarship</i> , founded by Dr. Mary E. Markley, '02, in memory of her father, the Rev. A. B. Markley, D.D., '76,	4,500
<i>The Saint Mark's Scholarship</i> , founded in 1918 by the members of Saint Mark's Reformed Church, Lebanon, Pa., in honor of their pastor, the Rev. I. Calvin Fisher, D.D., '89, and his wife, Eva S. Fisher, and in celebration of their twenty-fifth anniversary in the pastorate of Saint Mark's Church,	1,000
<i>The James W. Meminger Scholarship</i> , founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., in honor of the Rev. James W. Meminger, D.D., '84, former pastor,	1,000
<i>The Meyran Scholarship</i> , founded by Louis A. Meyran and his wife, Marie H. Meyran, of Grace Reformed Church, Pittsburgh, Pa.,	2,000
<i>The Murtha Scholarship</i> , founded under the will of D. Charles Murtha, '86, to aid students who plan to enter the Christian ministry,	19,869.85
<i>The Annie Neff Scholarship</i> , founded under the will of Annie Neff, of Alexandria, Huntingdon County, Pa.,	1,500
<i>The Martin B. Neff Scholarship</i> , founded by Annie Neff in memory of Martin B. Neff, of Alexandria, Pa., and in recognition of his life-long interest in Ursinus College,	1,800
<i>The Noss Scholarship</i> , founded by Charles H. Noss, of York, Pa., in memory of his parents, William S. Noss and Emma S. Noss,	3,500
<i>The George Leslie Omwake Scholarship Fund</i> , founded by several hundred alumni and other friends of the sixth president of Ursinus College,	25,568.15
<i>The Omwake Memorial Scholarship</i> , founded by W. T. Omwake, Esq., of Waynesboro, Pa., as a memorial to his parents, Henry and Eveline Beaver Omwake,	2,000

<i>The Paisley Scholarship</i> , founded in honor of Mrs. Carrie Strassburger Paisley, of Trinity Reformed Church, Philadelphia,	2,000
<i>The Harry E. Paisley Scholarship</i> , founded by Harry E. Paisley, LL.D., of Trinity Reformed Church, Philadelphia,	5,000
<i>The Saint Paul's, Lancaster, Scholarship</i> , founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., the Rev. T. A. Alspach, D.D., '07, pastor,	2,000
<i>The Pennsylvania Female College Memorial Scholarship</i> , founded by the Glenwood Association, a body of former students of the Pennsylvania Female College, in recognition of the earlier work done at Collegeville for the higher education of women,	3,000
<i>The Neri F. and Serena J. Peters Scholarship</i> , founded in memory of the Rev. and Mrs. Neri F. Peters by their children,	2,000
<i>The Jesse W. Roberts Memorial Scholarship</i> , founded by Charles V. Roberts, '32, in memory of his father,	5,000
<i>The Silas H. Rush Scholarship</i> , founded in memory of her parents, Mr. and Mrs. Silas H. Rush, by Mrs. E. R. Hoffman, of Philadelphia,	1,000
<i>The Scheer Memorial Scholarship</i> , founded under the will of Thekla Ida Scheer, in memory of her father, the Rev. George A. Scheer, D.D., '76, the income to be used to aid students who plan to enter the Christian ministry,	5,000
<i>The Jacob S. and Lucinda Schwartz Scholarship</i> , founded by the bequest of Jacob S. Schwartz, of Hanover, Pa.,	1,000
<i>The Schwenksville Community Scholarship</i> , founded by the citizens of Schwenksville, Pa.,	1,902
<i>The Jocelyn Xander Sheeder Scholarship</i> , established by the late S. Elizabeth Xander, of Philadelphia, Pennsylvania,	1,000
<i>The J. B. Shontz Memorial Scholarship</i> , founded by the Congregation and Sunday School of Saint John's Reformed Church, Chambersburg, Pa., in memory of their former pastor, the late Rev. J. B. Shontz,	1,000
<i>The A. Lizzie Shreiner Scholarship</i> , founded under the will of A. Lizzie Shreiner, of Lancaster, Pa.,	1,350
<i>The Siebert Scholarship</i> , founded under the will of P. W. Siebert, of Pittsburgh, Pa.,	1,004
<i>The George S. Sorber Scholarship</i> , founded by the Rev. George S. Sorber, D.D., of York, Pa.,	2,000
<i>The Nathan Spangler Scholarship</i> , founded by Nathan Spangler, of York, Pa.,	1,000
<i>The Sprinkle Scholarship</i> , founded under the will of Samuel Sprinkle, of Altoona, Pa.,	2,000
<i>The Stauffer Memorial Scholarship</i> , founded in memory of Robert Ursinus and John Donald Stauffer, deceased children of the Rev. J. J. Stauffer, by gifts amounting to \$500 from the pastor and members of the Lykens Valley charge, and completed by a bequest of \$500 under the will of Elizabeth Ritzman, of Gratz, Pa.,	1,000

<i>The Harold D. and Edith C. Steinbright Scholarship</i> , founded by Mr. and Mrs. Harold D. Steinbright, of Cedars, Pa.,	3,000
<i>The Clementina R. Stewart Scholarship</i> , founded under the will of Clementina R. Stewart, of Myerstown, Pa.,	1,000
<i>The G. Leicester Thomas Scholarship</i> , founded by G. Leicester Thomas, of Adamstown, Md.,	5,000
<i>The Trinity Bible School Scholarship</i> , founded by the Bible School of Trinity Reformed Church, Philadelphia,	2,475
<i>The Trumbower Memorial Scholarship</i> , founded by Mr. H. C. Trumbower, of Trinity Reformed Church, Philadelphia, in memory of his parents, Dr. Lewis T. and Annie B. Troxel Trumbower,	5,000
<i>The Abraham Wagner Scholarship</i> , founded under the will of Abraham Wagner, of the Robinson Church, Berks County, Pa.,	1,000
<i>The George A. Walker Scholarship</i> , founded under the will of George A. Walker, of Philadelphia, Pa.,	10,000
<i>The Wehr Scholarship</i> , founded in honor of the Rev. Calvin P. Wehr, D.D., '95, and Agnes E. Wehr, by their daughter, Florence A. Wehr,	1,000
<i>The George Wolff Scholarship</i> , founded by the Rev. George Wolff, D.D., of Myerstown, Pa.,	1,000

LOAN FUND

A loan fund has been established through gifts of individuals and an appropriation by the Board of Directors. Loans are made to upper class students under a contract providing definitely for their repayment. Application must be made to the President of the College, who is custodian of the Fund.

College Principles

URSINUS COLLEGE is a coeducational institution devoted to the principles that have made the smaller privately endowed college so important in American education. In principle and by tradition it is devoted to a policy which opposes unnatural distinctions among its students. Equal opportunity for all is provided and a wholesome spirit of fraternity throughout the entire body is encouraged. A system of student government for young men, with powers inhering in a central representative body known as the Council, maintains order and encourages self-control in social and civil affairs. The life of the young women also is regulated through a system of self-government administered by the women students of the College. The aim of the institution is to train its students, through the performance of their social and civil obligations and duties, in those virtues which will fit them for the extraordinary responsibilities of educated men and women in after life. With this in view, the College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or paid in advance to the College will not be refunded in whole or in part.

THE COLLEGE is dedicated to fostering close association among the administration, faculty, and students. A homelike atmosphere is found in the residential buildings, and modern equipment is provided to support the educational program and to assure adequate facilities for sports and extra-curricular activities. All students live in rooms provided by the College or in their own homes, and all resident students take their meals in the College dining rooms.

PUBLIC WORSHIP

ALL RESIDENT students and all day students whose homes are within a mile of the campus are required to attend religious services in the College chapel on certain designated days of each week. Students may not be absent from chapel services more than three times in a semester without valid excuse. Students are expected to attend services on Sunday in the church of their own or their parents' choice.

College Activities

ATHLETICS

URSINUS maintains teams in intercollegiate competition in football, basketball (varsity and junior varsity), soccer, wrestling, golf, track, tennis, and baseball for men. The intramural program of athletics for men students includes league competition in touch football, basketball, and softball, and an elimination tournament in tennis.

The College maintains intercollegiate competition for women in the following sports: hockey (varsity and junior varsity), basketball (varsity and junior varsity), softball, tennis, and swimming. The intramural program provides recreation in hockey, basketball, tennis, and softball.

The gymnasiums, playing fields, and equipment available for the pursuit of these various sports are described under Buildings and Equipment (see pp. 8 to 11).

ORGANIZATIONS

A large number of organizations of many types and purposes provide ample scope for extra-curricular activity on the part of the students. These organizations are all approved by the Faculty and are supervised by the Committee on Student Activities or the Dean of Men and Dean of Women.

Student life on campus is controlled and regulated by the Men's Student Council and the Women's Student Government Association.

Religious thought and activity are fostered by the YMCA, the YWCA, the Chi Alpha Society, the Lutheran Student Association, the Canterbury Club, and the Newman Club.

Many clubs serve the interest of students in particular subjects of study or future occupations: the James M. Anders Pre-Medical Society, the Beardwood Chemical Society, the English Club, the French Club, the German Club, the Spanish Club, the International Relations Club, the Pre-Legal Society, the Future Teachers of America, and the Business Administration Club.

Dramatics and debating are the province of the Curtain Club, Alpha Psi Omega, the Debating Club, and Tau Kappa Alpha.

Students interested in music are encouraged to join the College Choir, the Glee Club, the Meistersingers, the Band, and the Music Club.

Interest in athletics and the support of athletics at the College are fostered by the Varsity Club and the Women's Athletic Association.

A chapter of the American Veterans' Committee has been organized at Ursinus.

There are ten local social organizations on the Ursinus campus. The fraternities are Sigma Rho, Zeta Chi, Alpha Phi Epsilon, Demas, Beta Sigma Lambda, and Delta Pi Sigma. The sororities are Omega Chi, Alpha Sigma Nu, Kappa Delta Kappa, Phi Psi, and Tau Sigma Gamma.

PUBLICATIONS

THE URSINUS BULLETIN, of which the Catalogue is a number, is the official publication of the College. It is issued five times a year.

THE ALUMNI JOURNAL, the official publication of the Alumni Association, appears three times a year.

THE URSINUS WEEKLY is managed by a Board of Control representative of the Faculty and the student body, and edited by a staff chosen from among the students on a basis of merit. It is a weekly newspaper, interesting to students and alumni as a record of life at Ursinus.

THE LANTERN, student literary journal, is issued three times a year.

THE RUBY, published by the Senior Class, is a pictorial volume presenting an intimate view of the year's life, not only of the Class, but of the whole College.

College Fees and Services

A CANDIDATE for admission must pay a Pre-Matriculation Fee of \$10 at the time he files his application. If he is accepted and completes matriculation, the fee is credited on his bill for the first term; otherwise it is not refunded.

Upon his acceptance by the College, an applicant must make an Advance Payment of \$50. This payment is also credited on his bill for the first term. If he fails to complete his matriculation, this payment is forfeited.

All regularly enrolled students must make an Advance Payment of \$50 at such time as may be designated by the College. It is credited on the bill of the first term. This payment is forfeited if the student fails to complete his registration.

An enrolled student must pay \$10 in order to qualify for drawing a room.

Ursinus College is a residential college. All students, except those who reside in their own homes, must occupy rooms provided by the College and take their meals in the College dining rooms.

The expenses for a term of sixteen weeks are therefore included in a Comprehensive Fee which covers class room instruction; the use of laboratories, libraries, gymnasiums, and the infirmary; ordinary medical attention; care by the resident nurse; furnished room, including heat and light; and table board, exclusive of Christmas and Spring recesses. The Comprehensive Fee for men is \$500.00 to \$520.00, depending upon location of room. The Comprehensive Fee for women is \$520.00 to \$545.00, depending upon location of room. The Fee for a student living in his own home is \$250.00 per term. The College reserves the right to make reasonable alterations in the Comprehensive Fee at the beginning of any term in order to cover possible unforeseen costs.

An Activities Fee of \$7.50 is charged each term to cover the following: subscription to the *Ursinus Weekly*, intercollegiate debating, the Chris-

tian associations, the Ursinus College Forum, and a number of other activities. Students are admitted without charge to all athletic games at the College, to Curtain Club Plays, and to College dances.

A fee of \$50, payable upon presentation of bill, is required of each student engaged in practice teaching.

Private individual instruction (organ, piano, violin, voice, or any band or orchestral instrument) \$50, one half-hour lesson each week during regular term.

A deposit of \$10 is required of each new student to defray any expense incurred by injury to property, and is included on the bill for the first term. The unexpended balance is returned upon graduation or withdrawal from College.

To a student in his senior year, a graduation fee of \$10 is charged in the last bill of the senior year.

Fees for students in the fifth year program are the same as those in preceding years.

Bills for the Comprehensive Fee are issued approximately thirty days before the beginning of each term. A student's bill must be settled no later than the opening day of each term.

No student who is indebted to the College or to any of its departments or agencies will be permitted to register at the beginning of any term, and all items due the College from a candidate for graduation must be paid before the candidate may be presented for a degree.

Checks should be made payable to Ursinus College.

A charge of \$1 is made for the transcript of a student's record. Requests for such transcripts should be made to the Office of the Dean.

A student who is absent from College on account of sickness, and retains his place in class, pays the Comprehensive Fee in full during his absence, except when the absence is continuous over a period exceeding four weeks, in which case resident students are allowed a rebate of \$5 for each full week on account of table board. No refund is allowed on account of a student's dismissal or withdrawal from the College during a term, except when the student enters the armed services.

Since the College provides for all resident students a health service, which includes attention and care by its physicians and resident nurses, the College will not pay bills that students contract with hospitals or

with physicians or nurses not on the staff of the College. The College reserves the right to enforce quarantine and to engage the services of special attendants if necessary, but will not be responsible for the compensation of extra physicians, nurses, or attendants, which compensation must be provided by the student or his parent or guardian.

Each resident student supplies his own towels, two pairs of sheets for a single bed, mattress protector, a pair of pillow cases (19 x 34), a pair of blankets, and a bedspread.

First year students, except those whose presence is needed for service, are required to vacate their rooms immediately following the second term examinations.

MEDICAL SERVICE

The Comprehensive Fee paid by resident students entitles them to ordinary medical attention. The College Physician may be consulted in his office on the campus during office hours. He will regularly visit patients in the infirmaries and students confined to their rooms by illness. The Resident Nurses care for the sick under the direction of the College Physician. Each student is given a physical examination on entering College.

BUREAU OF STUDENT HELP

The Bureau, conducted under the management of officers of the College, provides opportunities for students to earn a part of their expenses by working as waiters, laboratory assistants, library assistants, typists, and clerks in the Supply Store. These positions are standardized so as not to overburden the student or to interfere with his studies. Positions accepted under the Bureau of Student Help must, however, always take precedence over any other extracurricular activities. A standard position, such as a waitership in the dining room, pays two hundred and fifty dollars per year. Approximately one hundred and fifty positions, representing varying amounts of compensation and types of work, are now open to students.

Letters of application, as well as those requesting information, should be addressed to Dr. Charles D. Mattern, Director of Student Help.

PLACEMENT BUREAU

Ursinus College conducts a placement Bureau to assist students and graduates in finding positions for which they qualify. Its function is to

serve as a point of contact for Seniors and Alumni with educational institutions, business and industry. Detailed personal and scholastic records of Seniors and Alumni are compiled and are available along with a photograph, for all prospective employers.

Alumni Placement—The Placement Bureau acts as a clearing house for the placement of alumni seeking employment or new positions. Alumni are encouraged to place their names on the list of available candidates. A fee of \$1.00 is charged for Alumni registrations.

Persons seeking placement in the educational field or in business or industry should address communications to Dr. Harvey R. Vanderslice, Director of Placement, Ursinus College, Collegeville, Pa.

Courses of Instruction

IN DESIGNATING courses of study, *odd* numerals are employed to represent the work of the Fall Term and *even* numerals the work of the Spring Term. Exceptions to this regulation are noted. Summer Term offerings are not announced in this catalogue, but so far as possible, courses will be offered to meet the needs of students who register for the Summer Term. When a single numeral is employed, the work represented constitutes a term's course. When two numerals are employed, the work represented constitutes what is normally regarded as the work of two consecutive terms. When the numerals are connected by a hyphen, the course may be entered only at the beginning of the course. When the numerals are separated by a comma, the second part of the course may be entered even though the student has not had the first part of the course.

The credit value of each course, expressed in semester hours, is printed in italics. The hours per week are given in the definition of the course.

BIOLOGY

PROFESSOR BROWNBACK

PROFESSOR WAGNER

PROFESSOR SNELL

ASSISTANT PROFESSOR GURZYNSKI

MISS FRETZ

Students majoring in Biology must take the following courses: Biology 3-4; 6; 7-8; 9-10; 11-12; 17-18; Physics 1-2; Chemistry 1-2; Mathematics 1, 2 or 1a, 2a.

Students majoring in Biology who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Biology 9-10; 17-18.

Course 6 is not required for Biology majors other than those preparing for secondary school teaching or veterinary training.

1, 2. *Personal and Community Hygiene.*

DR. WAGNER, MISS SNELL, MR. GURZYNSKI

Study of the structure and physiology of systems in relation to personal hygiene; study of the problems of community hygiene. Lectures, papers, and discussions. Three hours per week. *Three semester hours.*

Course 1 is for men. Course 2 for women. Elective for first-year students in all groups. Course 1 is given in both terms.

3-4. *General Biology.*

DR. WAGNER

A survey of the biological facts and problems of the plant and animal kingdom. The first semester is devoted to the study of zoology, the second to botany. In both semesters correlated laboratory and lecture work is definitely planned. Two hours of lecture and three hours of laboratory work per week. *Six semester hours.*

6. Advanced Botany.

DR. WAGNER

A course designed to acquaint the student with a more detailed study of the plant groups, stressing in particular the principles of taxonomy and ecology. Lectures and discussions followed by field and laboratory work. Prerequisite, Course 3-4. *Three semester hours.*

Course 6 is required for students who intend to apply for certification as teachers of biology in Pennsylvania and for pre-veterinarian students.

7-8. Vertebrate Anatomy.

DR. BROWNBACK

The comparative anatomy and relationships of the chordates. Prerequisite, Course 3-4. One hour of lecture and six hours of laboratory work per week. *Eight semester hours.*

Courses 7-8 and 9-10 alternate. Course 9-10 will not be given in 1952-53.

9-10. Histology and Embryology.

DR. BROWNBACK

A course in the preparation and study of tissues and in the embryology of the chick. Prerequisite, Course 3-4. One hour of lecture and six hours of laboratory work per week. *Eight semester hours.*

11-12. Evolution and Heredity.

DR. BROWNBACK

Designed to familiarize the student with the recent work in evolution and heredity and their social applications. Open to students who have had no biological training. Lectures, papers, and discussions. Two hours per week. *Four semester hours.*

Course 11-12 is open to third-year and fourth-year students in all groups.

15-16. General Physiology.

DR. BROWNBACK

The study of the physical, chemical, and physio-chemical processes taking place in living matter. Prerequisites, Courses 3-4, 7-8 or 9-10 and Chemistry 1-2. Chemistry 7-8 is not a prerequisite but is recommended as preparation. Opportunity is given for students to investigate assigned problems at times other than regular hours. Enrollment is limited to fifteen students. One hour of lecture and six hours of laboratory work per week. *Eight semester hours.*

17-18. Anatomy and Physiology.

DR. BROWNBACK

The human skeleton; muscular, respiratory, and circulatory systems; the internal organs; the special senses; all considered with reference to structure and function; secretion, absorption, and elimination. Models, charts, and parts of the human cadaver. Three hours per week. *Four semester hours.*

Course 17-18 is prescribed for students in the Physical Education Group.

CHEMISTRY

PROFESSOR STURGIS

PROFESSOR PETTIT

ASSISTANT PROFESSOR STAIGER

Students majoring in Chemistry must take the following courses: Chemistry 1-2, 14; 3-4; 5-6; 7-8; 9-10; Mathematics 1a, 2a; 3-4; Physics 1-2; Biology 3-4.

Students majoring in Chemistry who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Chemistry 3-4; 5-6; 9-10.

1-2. *General Chemistry.*

MR. PETTIT, MR. STAIGER

The facts, theories, and laws of the chemistry of the commoner elements, their industrial uses, and their physiological and nutritional applications. Two hours of lecture and three hours of laboratory work. *Six semester hours.*

14. *Inorganic Chemistry.*

MR. STAIGER

A more detailed study of the theories and principles of chemistry accompanied by work in the solution of chemical problems. This course is to be pursued concurrently with Chemistry 2. Prerequisite, Chemistry 1. Two hours of lecture. *Two semester hours.*

3-4. *Qualitative Analysis.*

DR. STURGIS

The physico-chemical basis of analytical chemistry; analysis of metals and non-metals. Prerequisite, Course 14. Two hours of lecture and three hours of laboratory work. *Six semester hours.*

5-6. *Quantitative Analysis.*

DR. STURGIS

A study of the most acceptable methods of gravimetric and volumetric analysis. Prerequisite, Course 3-4. Two hours of lecture and four hours of laboratory work. *Six semester hours.*

7-8. *Organic Chemistry.*

MR. PETTIT

The study of the properties, synthesis, and structure of the most important classes of the carbon compounds. Prerequisite, Course 14. Three hours of lecture and three hours of laboratory work. *Eight semester hours.*

9-10. *Physical Chemistry.*

DR. STURGIS

The course includes a study of the states of matter, the properties of solution, atomic structure, radio-activity, and other topics. Prerequisites, Physics 1-2; Mathematics 3-4; Courses 5-6 and 7-8. Three hours of lecture and three hours of laboratory work. *Eight semester hours.*

11. *The Literature of Chemistry.*

MR. PETTIT

The use of books, journals, and reports in the field of Chemistry. Open to third year and fourth year students in the Chemistry-Biology-Physics group. Prerequisites, Course 7-8 and German 3-4. One hour per week. *One semester hour.*

Course 11 will not be offered in 1952-53.

16. *Advanced Quantitative Analysis.*

DR. STURGIS

This course may be taken with Chemistry 6. One hour of lecture and six hours of laboratory work. *Three semester hours.*

20. *Seminar.*

DR. STURGIS

Papers and reports in Physical Chemistry. One hour per week. *One semester hour.*

Course 20 will not be offered in 1952-53.

21. *Seminar in Valence.*

MR. STAIGER

Selected topics dealing with the valence, resonance and isomerism of inorganic and organic compounds. One hour per week. *One semester hour.*

Courses 21 and 22 will be offered in 1952-53.

22. *Seminar in Organic Chemistry.*

MR. PETTIT

Reports on recent advances in Organic Chemistry. One hour per week. *One semester hour.*

CLASSICAL LANGUAGES

PROFESSOR BAKER

Students majoring in Classical Languages are required to take at least 12 semester hours of Greek and 12 semester hours of Latin, beyond Latin 1-2. In the first half of his senior year, each student must take the Seminar in Classical Studies, Greek 7. In the examination at the close of this course, he will be expected to show a satisfactory general knowledge of Greek and Roman literature, language, art, history, geography, mythology, religion, and private life. For this examination the student is expected to prepare himself (with the advice and help of the instructor) throughout his previous three years both by courses and by outside reading.

GREEK

1-2. *Beginning Greek.*

DR. BAKER

Allen, *First Year of Greek*. Attention is paid to the Greek element in English words and to the social customs and institutions of the Greeks. Three hours per week. *Six semester hours.*

Course 1-2 is elective for students in all groups.

3. *Intermediate Greek.*

DR. BAKER

Xenophon, *Anabasis*. Reading on the history of Greek literature. Three hours per week. *Three semester hours.*

4. *Homer.*

DR. BAKER

Selections from the *Iliad* and the *Odyssey*. Three hours per week. *Three semester hours.*

5, 6. *Greek History and Comedy.*

DR. BAKER

Thucydides and Aristophanes, selections. This course will include papers and outside readings and is designed to give the student a complete picture of Athens during the latter half of the fifth century, B.C. *Six semester hours.*

7. *Seminar in Classical Studies.*

DR. BAKER

A study of selected topics dealing with the Greco-Roman world. Knowledge of Greek and Latin is a prerequisite. Three hours per week. *Three semester hours.*

8. *New Testament Greek.*

DR. BAKER

The Gospel of St. Luke. Papers and lectures on Hellenistic religions. Three hours per week. *Three semester hours.*

LATIN

1-2. *Elementary Latin.*

DR. BAKER

A study of the grammar, syntax, and vocabulary, with emphasis upon the Latin elements in English words. Reading of passages from various authors. Three hours per week. *Six semester hours.*

3, 4. *Vergil.*

DR. BAKER

Aeneid, Books I-VI. Emphasis is placed on vocabulary and mythology. Prerequisite, Latin 1-2 or its equivalent. Three hours per week. *Six semester hours.*

5, 6. *Cicero, De Senectute; Horace, Odes and Epodes; selections from other authors.*

DR. BAKER

Prerequisite, Latin 3, 4 or its equivalent. Three hours per week. *Six semester hours.*

7, 8. *Horace, Satires, Epistles, and Ars Poetica; selections from other authors.* DR. BAKER

Readings on the history of Latin literature. *Six semester hours.*

9, 10. *Advanced Latin.*

DR. BAKER

The instructor will arrange with students electing this course to read authors of one period or literary type, or authors whose works may be correlated with other fields of study, e.g., philosophy, history, law. *Six semester hours.*

11, 12. A continuation of the work done in Latin 9, 10. *Four semester hours.* DR. BAKER

22. *Preparation for Teaching Latin.*

DR. BAKER

For third year or fourth year students. Three hours per week. *Three semester hours.*

ECONOMICS

PROFESSOR BOSWELL

PROFESSOR BONE

MR. SYMONS

MR. HERBSLEB

Students majoring in this department must take a minimum of thirty (30) semester hours of work in the department, including Courses 3 and 4, and twelve (12) semester hours of work in Political Science, including Course 1-2.

A student may, if he wishes, concentrate in Accounting, Economics, Finance, or Industrial Relations. For outline of courses specified for these concentrations, see page 32.

3. *Economic Principles.*

A survey of the general principles which underlie the functioning of our economic system. Special attention is given to the roles played by each of the factors of production, and to the pricing process. *Three semester hours.* Economics 3 is prerequisite for all other courses.

4. *Economic Problems.*

This is a study of current economic problems, their impact on our society, and a critical analysis of proposed solutions. Among the problems considered are inflation, taxation, price controls, and monopolistic tendencies in business and labor, and our economic relations to other countries. *Three semester hours.* Economics 4 is a prerequisite for all other courses except Economics 3.

5. *Labor Problems.*

MR. SYMONS

A study of human relations arising from industrial organizations and the employers' part in bringing about industrial peace. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

6. *Business Finance.*

MR. SYMONS

A study of the financial aspects of business management, including the financing of corporations. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

7. *Marketing.*

MR. HERBSLEB

A survey of the marketing mechanism and a comparative study of the most usual methods and practices. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

8. *Foreign Trade.*

MR. HERBSLEB

The principles of foreign trade; relation of foreign trade to national prosperity; foreign trade policies of the more important countries. Prerequisite, Courses 3, 4 and 7. Three hours per week. *Three semester hours.*

9. *Money and Banking.*

DR. BOSWELL

A study of monetary and banking theories followed by an analysis of the services and methods of operation of our commercial banks. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

10. *Investments.*

DR. BOSWELL

A survey of the various types of investment opportunities available. A study of methods of analyzing securities and timing their purchase or sale. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

11. *Fundamentals of Accounting.*

MR. BONE

Fundamental principles involved in the proprietorship and partnership form of organization. Adjusting and closing the books, preparation of statements and working papers. Problems and systematic practice set accompany the work. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

12. *Principles of Accounting.*

MR. BONE

Principles involved in the corporate form of organization, including large enterprises and manufacturing types of business. Problems, questions and a systematic practice set accompany the work. Three hours per week. Prerequisite, Courses 3, 4, 11. *Three semester hours.*

13. *Public Finance and Taxation.*

MR. HERBSLEB

A study of the general principles of public expenditures, public revenues, public indebtedness, and financial administration. Attention will be given to the principles and workings of the Federal Income Tax law. There will be class assignments in solving actual income tax problems. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

14. *Railway Transportation.*

MR. HERBSLEB

A study of the financing of railroad construction in the United States; rate making, routing, personal and territorial discrimination, competition and consolidation; state and federal legislation and regulation; government operation; criticisms of some of the proposed solutions of our railway problems. Prerequisites, Courses 3, 4. Three hours per week. *Three semester hours.*

15. *Business Law.*

MR. BONE

An introductory course covering the fundamental procedures governing contracts, sales, agency, bailments, negotiable instruments, real and personal property. Lectures, reading, and study of cases and problems. Three hours per week. Prerequisite, Courses 3, 4. *Three semester hours.*

17. *Business Organization.*

MR. BONE

A study of the forms of business organizations—the historical background and the reasons for their development. Governmental control of large organizations with special attention given to the problems of monopolies. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

18. *Industrial Management.*

MR. BONE

Historical background of industrial management, organization, physical plant, standardization, time study, wage payment, methods, control of production, planning and operation. executive control. Prerequisites, Courses 3, 4. Three hours per week. *Three semester hours.*

19. *Intermediate Accounting.*

MR. BONE

A study of the fundamental principles and the application of principles to the analysis of problems. Analysis of profits, application of funds, capital expenditures and depreciation policies, inventory valuation, installment accounts, branches, consolidated statements. Two hours per week. *Two semester hours.* Prerequisite, Economics 11, 12.

20. *Introductory Cost Accounting.*

MR. BONE

A study of the fundamental principles of cost accounting. Methods of finding the cost of specific orders or lots, fundamentals of process costs, accounting for by-products and joint products, estimate costs, and standard costs. Prerequisite, Courses 11, 12. Two hours per week. *Two semester hours.*

21. *History of Economic Thought.*

DR. BOSWELL

Attention is devoted largely to a study of the Physiocratic, Classical, and Neo-Classical writers. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

22. *Personnel Management.*

MR. HERBSLEB

An examination of methods of selecting and training workers; also the development of policies designed to build and maintain worker morale. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

23. *Labor Law and Social Security.*

DR. BOSWELL

An examination of labor legislation, the social security program, and workmen's compensation, as they affect labor organization policies, employer policies, terms of collective bargaining agreements, and their relation to employment, living standards, and the general public welfare. Prerequisite, Courses 3, 4. Three hours per week. *Three semester hours.*

Mathematics of Finance. See *Mathematics*, Courses 13, 14 and 15, 16, p. 72.

EDUCATION

PROFESSOR TYSON

PROFESSOR VANDERSLICE

ASSOCIATE PROFESSOR MINNICH

MR. HIRST

Students preparing for teaching must take the following courses:

Spring semester of their second year, Education 2.

Fall semester of their third year, Education 3, 7.

Spring semester of their third year, Education 4 and a special methods course in their major field.

Fall semester of their fourth year, Student Teaching.

2. *Introduction to Teaching in Secondary Schools.* MR. MINNICH AND DR. VANDERSLICE

The characteristics of teaching as a profession with special reference to secondary education; the nature and interests of adolescents; the task of secondary schools in the United States contrasted with those in other countries; the organization of second-

ary education to meet the needs of pupils. Three hours per week during the second semester of the second year. *Three semester hours.*

3. *Educational Psychology.*

DR. TYSON

The native equipment of the learner; the relationship of heredity and environment; the inheritance of human traits; the principles of growth and development; physical, emotional, social and mental development; the principles of learning; transfer of training. Prerequisites, Psychology 1 and Education 2. Three hours per week during the first semester of the third year. *Three semester hours. (The same course as Psychology 5.)*

4. *Principles of Teaching and Learning.*

MR. MINNICH

The application of the principles of educational psychology to teaching in the secondary school; the teacher as a guide of learning; the activities in which the teacher is called upon to engage. This course is required by the Department for all persons who expect to qualify for practice teaching. Prerequisite, Courses 2, 3, 7. Three hours per week. *Three semester hours.*

5. *Student Teaching.*

MR. MINNICH, DR. VANDERSLICE

A laboratory course in student teaching consisting of observation participation and teaching in neighboring high schools with individual and group conferences. Consult the instructor for the requirements of different states. Required to complete certification. Open only to fourth year students who meet the personality and scholastic requirements. This course is given in the fall term, and only six hours of additional work can be carried with it. Prerequisite, Courses 2, 3, 4, 7, and the special methods course in the student's major field. *Eight semester hours.*

7. *The History and Philosophy of Education.*

MR. MINNICH AND DR. VANDERSLICE

The development of educational ideas as they influence the present. The evolution of present practices with the underlying philosophies. Prerequisite, Psychology 1 and Course 2. Three hours per week during the first semester of the third year. *Three semester hours.*

10. *Educational and Psychological Tests and Measurements.*

MR. HIRST

An introductory survey of the field of measurement in education, including measurement of intelligence and school results; main features of the technique of testing and test construction; types of tests and scales; evaluation; interpretation; use. Prerequisite, Course 3. Three hours per week offered in the first term. *Three semester hours. (Same course as Psychology 6.)*

12. *The Teaching of Science in the Secondary School.*

DR. TYSON

This course is designed to acquaint the prospective teacher with the purposes and problems of the teaching of science in the secondary school. The chief topics include the development of objectives, the organization of typical curricula, and the methods used in both junior and senior high schools. Required of third year students who are preparing to teach science. Three hours per week. *Three semester hours.*

22. *Teaching of History and the Social Studies in the Secondary Schools.*

DR. VANDERSLICE

Selection and interpretation of subject matter in accordance with the following aims: (1) local, national and international issues, (2) cultural inheritance. Methods of engendering and developing desirable social concepts in secondary school students. Demonstrations; field trips; study of the tools of learning, including visual aids; cooperative planning and evaluation. Three hours per week. *Three semester hours.*

24. *Visual and Auditory Aids.*

MR. HIRST

A study of the design, construction, and application of the combined visual and auditory aids to learning; anatomy and physiology of the eye and ear; the psychology of sensation and perception and its application in the use of slides, charts, motion pictures, and models. Review of applied research projects dealing with audio-visual aids to instruction and learning. Three hours per week. *Three semester hours.*

Course 24 is required of all students in the Five Year Program in the preparation of teachers.

For similar courses in other fields see English 25, German 21, Latin 22, Mathematics 24, Physical Education 5-6, and Romance Languages 21.

REQUIREMENTS FOR THE TEACHING OF SCIENCE AND SOCIAL
STUDIES IN PENNSYLVANIA

Distribution of Required Eighteen Semester Hours.

A. *Science.*

1. A certificate of standard grade will be validated for the teaching of science upon the completion of eighteen semester hours of approved preparation in science as follows:

Physical sciences, nine semester hours including three semester hours in physics and three semester hours in chemistry.

Biological sciences, nine semester hours including three semester hours in botany and three semester hours in zoology.

2. Where the applicant presents eighteen semester hours of approved preparation in physical sciences including six semester hours in chemistry and six semester hours in physics, "physical science" will be written upon the certificate.

3. Where the applicant presents eighteen semester hours of approved preparation in biological science including six semester hours in botany and six semester hours in zoology, "biological science" will be written upon the certificate.

B. *Social Studies.*

1. "Social Studies" will be written upon the certificate when the applicant presents evidence of having completed eighteen semester hours of approved preparation in the social studies distributed as follows:

Social Science	nine semester hours
History	nine semester hours

2. Where the applicant has completed eighteen semester hours of approved preparation in social science, "social science" will be written upon the certificate. Approved preparation must include political science, economics, and sociology.

3. Where the applicant has completed eighteen semester hours of approved preparation in history, "history" will be written upon the certificate.

REQUIREMENTS FOR CERTIFICATION OF SECONDARY SCHOOL
TEACHERS IN NEW JERSEY

Authorization: To teach endorsed subject fields in grades seven to twelve.
Requirements:

1. A bachelor's degree based upon an accredited curriculum in a four year college.

2. A minimum of thirty semester hours of credit in general background courses distributed in at least three of the following fields: English, social studies, science, fine arts, mathematics, and foreign languages. Six semester hours of credit in English and six in social studies will be required.

3. A minimum of eighteen semester hours of credit in courses distributed over four or more of the following groups including at least one course in A, B and C below.

A. *Methods of Teaching*. This group includes such courses as:

- (1) methods of teaching in secondary schools, (2) visual aids in education, and (3) individuality instruction.

B. *Educational Psychology*. This group includes such courses as:

- (1) psychology of learning, (2) human growth and development, (3) adolescent psychology, (4) educational measurements, and (5) mental hygiene.

C. *Health Education*. This group includes such courses as:

- (1) personal health problems, (2) school health problems, (3) nutrition, (4) health administration, and (5) biology.

D. *Curriculum*. This group includes such courses as:

- (1) principles of curriculum construction, (2) the high school curriculum, (3) a study of the curriculum in a specific field, and (4) extra-curricular activities.

E. *Foundations of Education*. This group includes such courses as:

- (1) history of education, (2) principles of education, (3) philosophy of education, (4) comparative education and educational sociology.

F. *Guidance*. This group includes such courses as:

- (1) principles of guidance, (2) counselling, (3) vocational guidance, (4) educational guidance, (5) research in guidance, and (6) student personnel problems.

4. Two teaching fields are required, one of which must contain thirty semester hours of credit and the other eighteen.

(Consult the Department of Education for required work within each of these teaching fields.)

5. One hundred and fifty clock hours of approved student teaching. At least ninety clock hours must be devoted to responsible class room teaching. Sixty clock hours may be employed in observation and participation.

TERM. The limited certificate may be made permanent when the applicant completes three years of successful teaching experience within the scope of the certificate.

ENGLISH

PROFESSOR MCCLURE
PROFESSOR YOST
PROFESSOR PHILLIPS
PROFESSOR BAKER

VISITING PROFESSOR WEYGANDT
ASSOCIATE PROFESSOR CHILD
ASSISTANT PROFESSOR DOLMAN
MR. JONES

MR. KERSHNER

Students majoring in English must take the following courses: English Literature 3-4; 5, 6; 7, 8; 9, 10; 11-12; 19-20; History 7-8; 9-10.

Students preparing for graduate study in English should elect French and German as their modern languages. Study in classical languages is strongly recommended for such students.

COMPOSITION

1-2. *First Year English.*

DR. YOST, MR. DOLMAN, MR. JONES, MR. KERSHNER

The study of the fundamentals of effective writing; the reading of prose and verse for the purpose of cultivating the ability to enjoy literature. Three hours per week. *Six semester hours.*

Course 1-2 is prescribed for all students.

3, 4. *Second Year Composition.*

DR. PHILLIPS, MR. DOLMAN, MR. JONES, MR. KERSHNER

The further application of principles of writing developed in First Year English with particular stress upon expository method. Prerequisite, Course 1-2. One hour per week. *Two semester hours.*

Course 3-4 is prescribed for all students.

5, 6. *Advanced Composition.*

MR. DOLMAN

A study of the principles underlying current types of writing. Course 5 will deal with fictional writing and emphasize the short story; Course 6, with factual writing and offer an introduction to journalism. Prerequisites, Courses 1-2 and 3, 4. Three hours per week. *Six semester hours.*

7, 8. *Advanced Composition.*

MR. DOLMAN

Course 7 will be devoted to the study of descriptive writing. Course 8 will be conducted largely on a conference basis and will offer the student opportunity to practice his favorite type of composition, prose or verse. Enrollment in Course 8 is limited to twelve qualified students. Prerequisites, Courses 1-2 and 3, 4. Three hours per week. *Six semester hours.*

Course 5, 6 alternates with Course 7, 8. Course 5, 6 will not be given in 1952-53.

LITERATURE

3-4. *Survey of English Literature.*

DR. PHILLIPS, MR. JONES

The history of English literature from the beginning to the present. Special attention is given to the social background. Two hours per week. *Four semester hours.*

Course 3-4 is prescribed for second year students in the English Group and is elective for second year students in other groups.

5. *The English Essay. Eighteenth Century.*

DR. YOST

A study of the essay and non-fictional prose from the age of Queen Anne to the end of the eighteenth century. Three hours per week. *Three semester hours.*

Course 5 is prescribed for third year and fourth year students in the English Group and is elective for third year and fourth year students in other groups.

6. *The English Essay. Nineteenth Century.*

DR. YOST

A study of the essay and non-fictional prose from Lamb to Stevenson. Three hours per week. *Three semester hours.*

Course 6 is prescribed for third year and fourth year students in the English Group and is elective for third and fourth year students in other groups.

Courses 5 and 6 alternate with Courses 7 and 8. Courses 7 and 8 will not be given in 1952-53.

7. *English Poetry, 1790-1824.*

DR. YOST

A study of English poetry from 1790 to the death of Byron. The decline of neoclassicism; the romantic movement. Three hours per week. *Three semester hours.*

Course 7 is prescribed for third year and fourth year students in the English Group and is elective for third year and fourth year students in other groups.

8. *English Poetry, 1824-1890.*

DR. YOST

A study of the poetry of Tennyson and his contemporaries. Three hours per week. *Three semester hours.*

Course 8 is prescribed for third year and fourth year students in the English Group and is elective for third year and fourth year students in other groups.

9, 10. *Shakespeare.*

DR. MCCLURE

The development of English drama from the beginning to 1642; the reading of Shakespeare and his contemporaries. Three hours per week. *Six semester hours.*

Courses 9 and 10 are prescribed for third year and fourth year students in the English Group and are elective for third and fourth year students in other groups.

Courses 9 and 10 alternate with Courses 15 and 16. Courses 9 and 10 will not be given in 1952-53.

11-12. *Introduction to Anglo-Saxon and the History of the English Language.*

DR. MCCLURE

Two hours per week. *Four semester hours.*

Course 11-12 is prescribed for second year students in English Group and is elective in other groups.

15. *Modern Poetry.*

DR. WEYGANDT

English and American poetry from 1890 to the present. Two hours per week. *Two semester hours.*

Course 15 is elective for all students in all groups.

16. *English Poetry, 1500-1660.*

DR. MCCLURE

The development of narrative and lyric poetry. Two hours per week. *Two semester hours.*

Course 16 is elective for all students in all groups.

17. *The English Novel.*

DR. PHILLIPS

A reading course in the development of the novel from its origin to the present. Two hours per week. *Two semester hours.*

Course 17 is elective for all students in all groups.

18. *Modern Drama.*

DR. PHILLIPS

A reading course in the modern European and American drama from Ibsen to the present. Two hours per week. *Two semester hours.*

Course 18 is elective for all students in all groups.

19-20. *American Literature.*

DR. YOST

A survey of American literature from Colonial times to the present, with a consideration of the social history of the period. Three hours per week. *Six semester hours.*

Course 19-20 is prescribed for third year and fourth year students in the English Group and is elective for second year, third year and fourth year students in other groups.

21, 22. *Classics in Translation.*

DR. BAKER

A study of the major authors of ancient Greece and Rome, with a view to understanding the background of European and English literature. Two hours per week. *Four semester hours.*

Course 21, 22 is elective for third year and fourth year students in all groups.

24. *English Poetry.*

DR. YOST

A seminar in the reading and interpretation of English and American poetry. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.*

Course 24 is elective for fourth year students, with the permission of the instructor.

25. *Seminar.*

DR. PHILLIPS

The study and teaching of English; a consideration of problems, materials, and methods. Three hours per week. *Three semester hours.*

Course 25 is elective for third year students in the English Group. Others are admitted only by special permission.

FRENCH

See under *Romance Languages.*

GERMANIC LANGUAGES

PROFESSOR HARTZELL

PROFESSOR RICE

GERMAN

Students majoring in German must take the following courses: German 5, 6; 7, 8; 9, 10; 13-14; twelve (12) semester hours study in another language.

1-2. *Elementary German.*

DR. HARTZELL, DR. RICE

Three hours per week. *Six semester hours.*

Course 1-2 is elective for all students who do not offer German for admission.

3, 4. *Intermediate German.*

DR. HARTZELL, DR. RICE

Three hours per week. *Six semester hours.*

5. *Advanced German Reading.*

DR. HARTZELL

Reading of advanced material with particular attention to literary and cultural value. Three hours per week. *Three semester hours.*

6. *Goethe's Faust.*

DR. HARTZELL

Three hours per week. *Three semester hours.*

7, 8. *German of the Classic Period.*

DR. HARTZELL

Reading of works by Lessing, Schiller, and Goethe, with a study of classic period. Two hours per week. *Four semester hours.*

9, 10. *Modern German Literature.*

DR. HARTZELL

Reading of the works of representative writers of the nineteenth and twentieth centuries. Two hours per week. *Four semester hours.*

Course 7, 8 alternates with Course 9, 10. Course 7, 8 will not be offered in 1952-53.

11-12. *Scientific German.*

DR. RICE

This course is planned to furnish drill in the reading of modern scientific German. Two hours per week. *Four semester hours.*

Course 11-12 alternates with Course 13-14. Course 13-14 will not be offered in 1952-53.

13-14. *Oral and Written Composition.*

DR. RICE

This course comprehends a thorough drill in both oral and written composition. Two hours per week. *Four semester hours.*

21. *Teachers' Course.*

DR. RICE AND DR. HARTZELL

A thorough drill in phonetics; special attention is given to correct pronunciation and the methods of teaching correct pronunciation; lectures and discussions on the methods of teaching foreign languages; a survey of textbooks and other material suitable for elementary classes. Three hours per week. *Three semester hours.*

Open to third year students preparing to teach German.

SWEDISH

Study in Swedish is open to students who have completed the language requirement for graduation.

1-2. *Swedish Language and Culture.*

DR. RICE

Students completing this course will have little difficulty in reading Danish and Norwegian as well as Swedish. Grammar, reading, and lectures on cultural background. Three hours per week. *Six semester hours.*

3-4. *Advanced Swedish.*

DR. RICE

Readings in Swedish literature, including selections from Danish and Norwegian. Three hours per week. *Six semester hours.*

Course 1-2 alternates with Course 3-4. Course 1-2 will not be offered in 1952-53.

GREEK

See under *Classical Languages.*

HEALTH AND PHYSICAL EDUCATION

PROFESSOR VANDERSLICE

ASSOCIATE PROFESSOR MINNICH

PROFESSOR BROWNBAC

ASSISTANT PROFESSOR GURYZNSKI

PROFESSOR BAILEY

ASSISTANT PROFESSOR WIENEKE

PROFESSOR SNELL

MISS PLATT

MR. SPANGLER

Students majoring in Health and Physical Education must take the following courses: Physical Education 1, 2; 3, 5, 6; 7, 8; 9, 10; 14; 16, 17; 19; 20; 22; 201-2; 203-4; 205-6; 207-8; Chemistry 1-2; Biology 3; 1 or 2; 17-18; History 20; Sociology 1.

1. *Introduction to Physical Education.*

MISS SNELL

An orientation course dealing with the interpretation, objectives, and current problems in physical education. Two hours per week. *Two semester hours.*

2. *Principles and History of Physical Education.*

MISS SNELL

An historical analysis of the physical education principles, philosophies, and activities of man from primitive to modern times. Two hours per week. *Two semester hours.*

3. *Community Recreation Programs.*

MR. BAILEY

A comprehensive analysis of the leisure time problem. An examination of the nature, scope, need and function of community recreation programs, and of the social and economic forces affecting them. Three hours per week. *Three semester hours.*

4. *Leadership in Camp and Club Activities.*

MR. GURZYNSKI

Discussion of the principles, characteristics, and processes of leadership in light of their significance to directors of camp and club activities. Three hours per week. *Three semester hours.*

5. *Principles and Methods of Teaching Physical Education.*

MISS SNELL

Principles, methods, and problems of teaching physical education activities at the elementary and secondary school levels. Open only to physical education majors and minors or students who have completed six hours in Education. Two hours per week. *Two semester hours. (Second term.)*

6. *Methods of Health Instruction.*

MISS SNELL

Analysis of the principles, materials and methods involved in the teaching of health at different age levels. Open only to physical education majors and minors or students who have completed six hours in Education. Two hours per week. *Two semester hours. (First term.)*

7, 8. *Principles and Methods of Coaching and Officiating.*

MISS SNELL, MR. GURZYNSKI,

AND OTHERS

This course is designed with particular reference to the needs of prospective coaches and officials. Opportunities for practice in coaching and officiating are given in connection with the intramural and required physical education programs. Two classroom hours and one hour of practice per week. *Four semester hours.*

9. *Administration of Health, Physical Education, and Recreation.*

MR. BAILEY

A study of the administrative problems in health, physical education, and recreation. Three hours per week. *Three semester hours. (Second term.)*

10. *Tests and Measurements in Health and Physical Education.*

MR. GURZYNSKI

This course aims to familiarize the student with the nature, function, and history of specific tools of measurement in the field of health and physical education and to give him working knowledge and experience in the use of essential statistical procedures. Three hours per week. *Three semester hours. (First term.)*

14. *Problems and Materials of Health and Safety Education in School Programs.*

MR. WIENEKE

The scope, responsibility, and function of the health education program in the school with particular stress upon the phases of healthful school living, health service, and safety education. Two hours per week. *Two semester hours.*

16. *First Aid.*

MISS PLATT

Preventive procedures and emergency treatment for all types of common injuries. A course designed to give the student directed practice in the application of first aid knowledge. Red Cross Advanced First Aid certificate may be obtained by those who satisfy the requirements. Two hours per week. *One semester hour.*

17. *Care and Prevention of Athletic Injuries.*

MISS PLATT

This course deals with the causes of common injuries incident to athletic competition and stresses methods of prevention and treatment. Two hours per week. *One semester hour.*

19. *Mechanical-Anatomical Analysis of Activities, Kinesiology.*

DR. BROWNBAC

An anatomical analysis of the mechanics of body movement and position. A study of the fundamental anatomical concepts in relation to the development of physical education skills. Prerequisite, Biology 17-18. Two hours per week. *Two semester hours.*

20. *Physical Education for Atypical Children.*

MR. BAILEY

An analysis of the general conditions producing atypical children, of the biological and physiological aspects involved, and of the resultant psychological and sociological problems. Methods are given for the selection and classification of these individuals and for the adaptation of activities to meet their needs. Three hours per week. *Three semester hours.*

22. *Physiology of Activity.*

DR. BROWNBAC

The physiological phenomena underlying physical activity. The anticipatory, immediate, and after effects of exercise on the different organs and the organism as a whole. Class discussion and laboratory demonstration. Prerequisite, Biology 17-18. Two hours per week. *Two semester hours.*

25. *Safety Education.*

MR. MINNICH AND OTHERS

A study of industrial, agricultural, highway, domestic and miscellaneous hazards and of approved safety regulations and practices. Special reference to the selection and organization of the materials of instruction. Visual aids; safety projects with cooperation of community agencies. Three hours; credit for state certification.

26. *Driver Education.*

MR. MINNICH AND OTHERS

Development of good driving habits. Study of traffic laws. Study of the physics of automotive controls. Tests for visual acuity, field of vision, reaction time, distance judgment, glare acuity, night driving and others. Special emphasis on procedures in teaching driving to high school students. Visual aids. Three hours; credit for state certification.

Physical Education 25 and 26 partially fulfill present requirements for certification in Safety Education in Pennsylvania.

PHYSICAL EDUCATION ACTIVITIES

GENERAL ACTIVITIES

101-2. *General Activities.*

A basic course in physical activities, designed for the development of organic vigor and the essential neuro-muscular skills. It aims to provide the student with recreative activities which may be valuable in later life and to create situations which may foster satisfactory social and moral outcomes. Seasonal activities of both group and individual nature are provided. *This course is a requirement for graduation for all students except those in the Physical Education Group, and must be completed in the first year.* Two hours per week. *Not a credit course.*

PROFESSIONAL COURSES

201-2. *First Year Activities.*

Physical education activities of a seasonal nature make up the major content of the course, with general emphasis on those of a team or group nature. Stress is placed upon the teaching and mechanical analysis of the individual skills and fundamental techniques. Study is made of the characteristic forms of different folk dances and their music. Outdoor activities include: (men) football, touch football, soccer, speedball, tennis, softball, baseball, track, and field; (women) soccer, speedball, tennis, hockey, softball, track and field. The indoor activities for both men and women include marching tactics, calisthenics, apparatus work, folk dancing, group games, self-testing activities, basketball. Six hours per week. *Four semester hours.*

203-4. *Second Year Activities.*

A continuation of Course 201-2 with added emphasis upon methods of teaching and the development of strategy and team play. Attention is given to the selection, adaptation, and use of music suitable for the various types of rhythmic activities. The following outdoor activities are included: (men) football, touch football, soccer, speedball, tennis, softball, baseball, track, field, canoeing, aquatic activities; (women) soccer, speedball, tennis, hockey, softball, track, field, canoeing, aquatic activities. Indoor activities for both men and women include marching and tactics, calisthenics, apparatus work, stunts, tumbling, self-testing activities, group games, rhythms, tap dancing, basketball. Six hours per week. *Four semester hours.*

205-6. *Third Year Activities.*

This course offers a variety of individual activities which are in common use in the field of physical education. The course includes (men and women) archery, riding, tennis, volleyball, swimming, diving, golf, canoeing, aquatic activities, group games, social dancing, tap dancing, marching, apparatus work, stunts, tumbling, pyramids, etc. Six hours per week. *Four semester hours.*

207-8. *Fourth Year Activities.*

A continuation of Course 205-6. New activities are included and added emphasis is placed upon some of the more important individual sports already covered. A portion of this course is given over to review and to examinations for a comprehensive rating in physical education. The work in this course includes (men and women) archery, riding, golf, badminton, swimming, life saving, deck tennis, paddle tennis, quoits, horseshoes, canoeing, aquatic activities; (men) boxing; (women) modern dancing. Opportunity is given for original composition. Six hours per week. *Four semester hours.*

HISTORY

PROFESSOR ARMSTRONG
PROFESSOR BAKER

PROFESSOR E. H. MILLER
ASSISTANT PROFESSOR DAVIS

MR. PARSONS

Students majoring in History must take the following subjects: History 5-6; History 9-10; ten (10) semester hours in elective courses in History, including one seminar; Economics 3, 4; Sociology 1; Political Science 1, 2.

1-2. *Medieval and Modern Europe.*

DR. ARMSTRONG, MR. DAVIS, MR. PARSONS

An introductory survey of European civilization from the beginning of the Middle Ages to the present. This course is required of all first year students, and is prerequisite for all other history courses except courses 15, 16. Three hours per week. *Six semester hours.*

3, 4. *Early Modern Europe.*

DR. ARMSTRONG

Course 3 deals primarily with the Renaissance and the Reformation; Course 4 with Continental Europe in the Seventeenth and Eighteenth centuries. Three hours per week. *Six semester hours.*

Course 3, 4 alternates with Course 7-8. Course 3-4 will not be offered in 1952-53.

5, 6. *Europe in the Nineteenth and Twentieth Centuries.*

DR. ARMSTRONG, MR. DAVIS

A study of the principal developments in European history since Waterloo, special attention being given in Course 6 to the influence of European civilization on world affairs. Three hours per week. *Six semester hours.*

7-8. *England and the British Empire.*

DR. ARMSTRONG

Course 7 will stress the Constitutional History of England; Course 8, colonial expansion and the social and economic consequences of the industrial revolution. Three hours per week. *Six semester hours.*

Course 3, 4 alternates with Course 7-8. Course 3-4 will not be offered in 1952-53.

9-10. *The United States of America.*

MR. DAVIS

Colonial and national history with special emphasis upon the State of Pennsylvania. This course is prescribed for all students in the History-Social Science Group in their third year and for any others who are preparing to teach Social Studies. Three hours per week. *Six semester hours.*

A year of European history in addition to Course 1-2 is recommended before Course 9-10 is elected.

11, 12. *Seminar in American History.*

DR. ARMSTRONG, MR. DAVIS

Preparation and discussion of research papers in American history. Open to third and fourth year students in the History-Social Science Group who have had two years' work in history, and to others equally qualified, with permission of the instructor. Two consecutive hours per week. *Four semester hours.*

13-14. *History of the Asiatic Mainland and the Pacific Islands.*

DR. E. H. MILLER

Three hours per week. *Six semester hours.*

Course 13-14 alternates with Course 21-22. Course 13-14 will not be offered in 1952-53.

15. *Greek History.*

DR. BAKER

Studies in the political, social and economic life of ancient Greece. Two hours per week. *Two semester hours.*

16. *Roman History.*

DR. BAKER

This course deals especially with the government of the Roman Republic, the transition to Empire and the causes of its decline. Two hours per week. *Two semester hours.*

17, 18. *Seminar in European History.*

DR. ARMSTRONG, DR. BAKER

In the first term the seminar will be devoted to the preparation and discussion of research papers on Modern European History; in the second term the seminar subjects

will be in the field of Ancient history. Open to third and fourth year students in the History-Social Science Group who have had two years' work in history, and to others equally qualified, with permission of the instructor. Two consecutive hours per week. *Four semester hours.*

19. *French Civilization.*

MR. PARSONS

Same course as French 5. Two hours per week. *Two semester hours.*

20. *History of the United States and Pennsylvania.*

MR. DAVIS

This is a survey course especially designed to meet the requirements for certification of high school teachers in Pennsylvania. It is not open to students in the History-Social Science Group or to any student minoring in social studies. Three hours per week. *Three semester hours.*

21-22. *Latin America.*

DR. E. H. MILLER

Political and cultural backgrounds of South and Central American nations and their relation to the interests and policy of the United States. Three hours per week. *Six semester hours.*

Course 13-14 alternates with Course 21-22. Course 13-14 will not be offered in 1952-53.

23. *Russia.*

MR. PARSONS

Political and social history of Czarist and Soviet Russia. Two hours per week. *Two semester hours.* Course 23 alternates with Course 25. Course 23 will not be offered in 1952-53.

24. *Diplomatic History of the United States.*

MR. DAVIS

A study of American diplomacy from the treaty of 1783 to the present including an analysis of the various factors which determine that policy: public opinion, population, world markets, and international organization. Two hours per week. *Two semester hours.*

25. *Canada.*

DR. ARMSTRONG

The development of the Canadian people from colonial status to nationhood. Two hours per week. *Two semester hours.*

Course 23 alternates with Course 25. Course 23 will not be offered in 1952-53.

26. *World Geography.*

MR. DAVIS

Extensive study of the major regions of the world. The purpose is to analyze each from the standpoint of climate, natural resources, and economic problems, and to give the student a fairly detailed knowledge of the physical geography of the regions. Two hours per week. *Two semester hours.*

Course 26 alternates with Course 24. Course 26 will not be offered in 1952-53.

ITALIAN

See under *Romance Languages.*

LATIN

See under *Classical Languages.*

MATHEMATICS

PROFESSOR CLAWSON

PROFESSOR MANNING

PROFESSOR DENNIS

ASSISTANT PROFESSOR SCHULTZ

A member of the Mathematics Group normally takes Mathematics 1a, 2a, and 5-6 in the first year; Mathematics 3-4 and Physics 1-2 (to satisfy the general requirement in

science) in the second year. For graduation at least 30 semester hours in Mathematics are required.

For students expecting to teach, the recommended courses in Mathematics are Problems, the Teachers' Course, Statistics, Theory of Equations, and Modern Geometry.

Students expecting to go into business, insurance or the actuarial profession should take a third year of English, and two years of Accounting. The recommended courses in Mathematics are Mathematics of Finance, Statistics, Finite Differences and Probability.

Students expecting to attend a graduate school, or engineering school, or interested in scientific applications should take courses in their chosen science. The recommended courses in Mathematics are the Calculus, Vector Analysis, Group Theory, and Theory of Functions of a Complex Variable.

1, 2. *College Algebra, Trigonometry.*

DR. MANNING, DR. DENNIS, MISS SCHULTZ

A basic course covering the usual topics in these fields. The emphasis is on utility in science and business rather than on formal statement. Three hours per week. *Six semester hours.*

Course 1, 2 is prescribed for all students in the Mathematics Group who have been credited with not more than 3 units of mathematics toward admission.

1a, 2a. *College Algebra, Trigonometry.*

DR. MANNING, DR. DENNIS, MISS SCHULTZ

A more advanced course, presupposing the usual high school courses in these subjects. Three hours per week. *Six semester hours.*

Course 1a, 2a is prescribed for students in the Mathematics Group who have been credited with 3.5 units of mathematics toward admission.

3-4. *Elementary Calculus.*

DR. MANNING, DR. DENNIS, MISS SCHULTZ

A first course in infinitesimal calculus, comprising a study of methods and applications of differential calculus and an introduction to integral calculus. Prerequisite, Course 1, 2 or 1a, 2a. Three hours per week. *Six semester hours.*

Course 3-4 is prescribed for students in the Mathematics Group.

5-6. *Analytical Geometry, Plane and Solid.*

DR. CLAWSON

The use of algebraic methods in the study of geometry. Three hours per week. *Six semester hours.*

Course 5-6 is prescribed for students in the Mathematics Group.

Students in the Mathematics Group must elect a minimum of twelve additional hours from the following courses:

7-8. *The Calculus.*

DR. DENNIS

Review of the fundamentals, and a further study of methods of differentiation and integration and applications. Elements of differential equations. Prerequisite, Course 3-4. Three hours per week. *Six semester hours.*

9, 10, 11, 12. *Advanced Mathematics.*

DR. MANNING, DR. DENNIS

These courses vary from year to year in accordance with the needs of the class. In recent years, Projective Geometry, Theory of Equations, Theory of Finite Groups, Vector Analysis, Theory of Functions of a Complex Variable, Theory of Numbers, Modern Geometry, Higher Algebra, Probability and Finite Differences have been studied. Prerequisites, Courses 5-6 and 3-4. Three hours per week. *Six semester hours.*

One or more of these courses will be offered in every term.

13-14. *Mathematics of Finance.*

DR. MANNING, MISS SCHULTZ

The operation of interest in relation to the amortization of debts, the creation of sinking funds, the treatment of depreciation, the valuation of bonds, the accumulation of funds in building and loan association, and the elements of life insurance. Two hours per week. *Four semester hours.*

15-16. *Mathematical Statistics.*

DR. MANNING

Statistical methods of studying data from fields of economics, education and the natural sciences; including the study of graphs, averages, dispersion, probability, index numbers, curve fitting, analysis of time series, correlation, quality control, production control, and analysis of variance. Two hours per week. *Four semester hours.*

17-18. *Astronomy.* See Physics, Course 11-12.19, 20, 21, 22. *Problems.*

DR. CLAWSON

A weekly set of problems from various fields. This course may be begun in any term and continued for as many as four terms. Prerequisites, Courses 3-4 and 5-6. One hour per week. *One semester hour for each term.*

24. *Teacher's Course.*

DR. DENNIS

The study and teaching of mathematics: a consideration of problems, materials and methods. Prerequisite, at least eighteen semester hours in Mathematics. For third year students. Three hours per week. *Three semester hours.*

MUSIC

PROFESSOR PHILIP

MISS SPANGLER

A. THEORY OF MUSIC

1-2. *Elementary Harmony.*

DR. PHILIP

A thorough foundation in the melodic, rhythmic, and harmonic elements of music; keys, scales, intervals, cadences, major and minor chords; rhythmic reading and dictation, time durations, and the study of compound and simple measures. Prerequisite, one year of piano study or of musical theory. Two hours per week. *Four semester hours.*

3-4. *Advanced Harmony and Simple Counterpoint.*

DR. PHILIP

A detailed study of harmonic resources, from secondary chords to chromatic modulations and higher dissonances; principles of counterpoint, in two and three parts as divulged by study of sixteenth and seventeenth century compositions; four part harmony from melody and figured bass; dictation of four part harmony and works of the Classic School. Two hours per week. *Four semester hours.*

5-6. *Counterpoint and Forms.*

DR. PHILIP

Counterpoint based on study of medieval modes; fifteenth and sixteenth century styles; tonal counterpoint including two and three-part inventions; harmonic technique in contrapuntal style; dictation in contrapuntal style; survey of form in music; analysis of a comprehensive list of masterpieces. Two hours per week. *Four semester hours.*

Course 5-6 alternates with Course 3-4. Course 5-6 will not be offered in 1952-53.

7-8. *Double Counterpoint, Fugue, and Canon.*

DR. PHILIP

An advanced course requiring 10-15 hours of preparation per week. Two hours per week. *Four semester hours.*

9-10. *Composition.*

DR. PHILIP

Practical composing in the smaller and simpler forms of voice, piano, and other instruments. One hour per week. *Two semester hours.*

Course 9-10 alternates with Course 7-8. Course 9-10 will not be given in 1952-53.

11-12. *Orchestration.*

DR. PHILIP

Symphonic scoring through practical study; the study of the instruments of the orchestra and their relationship to the above. One hour per week. *Two semester hours.*

B. APPRECIATION OF MUSIC

13-14. *Appreciation of Music.*

DR. PHILIP

This course is especially intended not for those studying music from an applied or practical standpoint but for those desiring to enlarge their critical appreciation of music as a detail of their general culture. This course is more directly adapted to the special needs of the general group of college students than Course 15-16. This course has no prerequisite and is open to anyone. Two hours per week. *Four semester hours.*

C. HISTORY OF MUSIC

15-16. *History of Music.*

DR. PHILIP

Introduction to ancient and primitive music; music from the beginning of the Christian era to the present. Two hours per week. *Four semester hours.*

17-18. *Opera and Orchestral Music.*

DR. PHILIP

Review of chief dramatic and musical developments of the masters with detailed study of outstanding compositions. Two hours per week. *Four semester hours.*

19. *The Music Dramas of Richard Wagner.*

DR. PHILIP

An intimate discussion and the detailed analysis of Wagner's works. Two hours per week. *Two semester hours.*

Course 19 alternates with Course 17-18. Course 19 will not be given in 1952-53.

D. MUSICAL ORGANIZATION

21a. *Band.*

A detailed study of both the "marching band" and the "concert band." Two hours per week.

21b. *Band.*

Second year. Continuation of first year work, which is a prerequisite. Two hours per week.

21c. *Band.*

Third year. Continuation of second year work, which is a prerequisite. Two hours per week.

21d. *Band.*

Fourth year. Continuation of third year work, which is a prerequisite. Two hours per week.

23a, 24a. *Symphony Orchestra.*

Reading and study of the best literature of the orchestra. Two hours per week.

23b, 24b. *Symphony Orchestra.*

Continuation of first year work, which is a prerequisite. Two hours per week.

23c, 24c. *Symphony Orchestra.*

Continuation of second year work, which is a prerequisite. Two hours per week.

23d, 24d. *Symphony Orchestra.*

Continuation of third year work, which is a prerequisite. Two hours per week.

27a, 28a. *Vocal Ensemble and Methods.*

A study of the basic principles of ensemble technique, vocal characteristics, and various types of voices. Discussion and study of the musical literature of the different periods. Practical application of principles studied as well as participation with the Ursinus Meistersingers in public concerts. Two hours per week. *One semester hour.*

27b, 28b. *Vocal Ensemble and Methods.*

Continuation of first year work, which is a prerequisite. Two hours per week. *One semester hour.*

27c, 28c. *Vocal Ensemble and Methods.*

Continuation of second year work, which is a prerequisite. Two hours per week.

27d, 28d. *Vocal Ensemble and Methods.*

Continuation of third year work, which is a prerequisite. Two hours per week.

30. *Choral and Orchestral Conducting.*

Organization, arrangement, and direction of choruses and orchestra. Technique of the baton. Study of tempi; phrasing; dynamics; nuances; color. Practical experience conducting the college choral and orchestral units. Two hours per week. *Two semester hours.*

Not more than twelve semester hours in Music may be counted toward graduation.

PHILOSOPHY

PROFESSOR MATTERN

MR. CREAGER

One three semester hour course in Philosophy is required of every student for graduation.

Courses in Philosophy are open to third year and fourth year students, with the exception of Course 6. Course 6 is open also for second year students.

Courses 5 and 6 are designed for students who do not plan to elect advanced courses in Philosophy.

1. *Introduction to Philosophy.*

DR. MATTERN

A preliminary course designed to give to the student orientation with reference to the fields and problems of philosophy. Three hours per week. *Three semester hours.*

2. *Modern Philosophical Problems.*

DR. MATTERN

This course is continuous with Course 1, but is a more intensive study of certain problems outlined in Course 1. Prerequisite, Course 1. Three hours per week. *Three semester hours.*

3. *History of Ancient and Medieval Philosophy.*

DR. MATTERN

This course is designed to assist the student in his interpretation of modern thought-currents by means of a history of the evolution of reflective thought from Thales to Descartes. Three hours per week. *Three semester hours.*

4. *History of Modern Philosophy.*

DR. MATTERN

This course is a continuation of Course 3, beginning with Descartes and tracing the modern development to present philosophical tendencies. Prerequisite, Course 3. Three hours per week. *Three semester hours.*

5. *Ethics.*

DR. MATTERN

A study of the principles of moral judgment, with exposition and criticism of the more important theories concerning the basis of distinction between right and wrong conduct; the various problems of theoretical and practical ethics. Papers by students. Three hours per week. *Three semester hours.*

6. *Logic.*

DR. MATTERN

A study of the guiding principles involved in correct thinking; the use of terms; classification; the nature of deductive inference with special reference to fallacious forms of reasoning as they receive expression in daily life; the canons of inductive inference; the basic concepts in scientific method. Three hours per week. *Three semester hours.*

Course 6 is open to second year students.

7. *Philosophy of Religion.*

MR. CREAGER

A study of religious beliefs and practices in order to ascertain the nature and value of religion. Particular attention is given to questions involving the nature and reality of God, the problem of evil and suffering, free will, and immortality. Prerequisite, third year standing. Three hours per week. *Three semester hours.*

PHYSICS

PROFESSOR HEILEMANN

ASSISTANT PROFESSOR SNYDER

MR. MARSTELLER

Students majoring in Physics must take the following courses: Physics 1-2; 3-4; 5, 6; 7-8; Mathematics 1a, 2a; 3-4; 7-8; 9, 10; Chemistry 1-2, 14.

Students majoring in Physics who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Physics 7-8; Mathematics 9, 10.

1-2. *General Physics.*

DR. HEILEMANN, MR. SNYDER, MR. MARSTELLER

Elementary mechanics, heat, sound, light, electricity and magnetism. Physics is presented not only as a science having practical application to everyday life, but as an example in itself of general scientific method. Prerequisite, Mathematics 1-2, or High School Trigonometry and a satisfactory rating in the Mathematical Aptitude section of the CEEB test or in some test of a similar nature. Although not a requirement, Mathematics 3-4 is strongly urged, to be pursued concurrently if not already completed. Three hours lecture and three hours laboratory per week. *Eight semester hours.*

Note: Admission to advanced courses depends upon the quality of work done in the elementary course.

Students intending to elect any of the advanced courses are asked to confer with the instructor during the year prior to that in which the course is to be taken, in order that a satisfactory schedule may be arranged.

3. *Mechanics.*

DR. HEILEMANN

Linear and plane kinematics of a mass point; Newton's Laws; Linear and plane dynamics; work and energy; dynamics of a system of particles; statics and dynamics of rigid bodies; hydrostatics; fluid dynamics. Prerequisite, Mathematics 3-4. Three hours lecture and three hours laboratory per week. *Four semester hours.*

4. *Electricity and Magnetism.*

MR. SNYDER

Gauss's Theorem; potential; capacity; electric and magnetic circuit; Kirchhoff's Laws; inductance; alternating currents; electrical machinery; elements of electronics. Prerequisite, Mathematics 3-4. Three hours lecture and three hours laboratory per week. *Four semester hours.*

5. *Optics.*

MR. MARSTELLER

Image formation; systems of lenses and mirrors; dispersion; spectra, interference and diffraction; polarization; origin of radiation; effects of radiation; applications. Three hours lecture and three hours laboratory per week. *Four semester hours.*

6. *Sound.*

DR. HEILEMANN

The nature of sound, the physical basis of music, speech, and hearing; acoustics of buildings; methods of sound transmission and reproduction, and study of distortion; diffraction and interference; applications. Three hours lecture and three hours laboratory per week. *Four semester hours.*

7-8. *Atomic Physics.*

DR. HEILEMANN

The elementary charged particles; electromagnetic radiation; waves and particles. Elementary theory of the Hydrogen atom; atomic spectra and electron distribution. Natural radioactivity; nuclear disintegration; nuclear energy. Prerequisite, Mathematics 3-4. Three lectures per week. *Six semester hours.*

7a-8a. *Laboratory in Atomic Physics.*

MR. SNYDER

Laboratory work (optional) for Course 7-8. Three hours per week. *Two semester hours.*

9-10. *Special Topics.*

DR. HEILEMANN, MR. SNYDER, MR. MARSTELLER

Readings and laboratory work with conferences. The student, having chosen some field in which he is interested, is expected to become familiar with the special instruments and methods of measurement used in that field. Only students capable of independent work may elect this course. Prerequisites, Mathematics 3-4 and two years of college physics. Credit according to work done.

11-12. *Astronomy.*

MR. MARSTELLER

Facts and theories concerning the appearance, dimensions, motions, and interrelations of celestial bodies. Prerequisite, Mathematics 1, 2 or its equivalent and some knowledge of physics. Two hours per week. *Four semester hours.*

POLITICAL SCIENCE

PROFESSOR E. H. MILLER

PROFESSOR CHANDLER

ASSOCIATE PROFESSOR PANCOAST

MR. HERBSLEB

In addition to History 1-2 and Political Science 1-2, which are required for graduation under the general college requirements, students majoring in Political Science must take an additional eighteen (18) hours of Political Science (Political Science 5, 6 and twelve elective hours); History 9-10; Economics 3, 4; Sociology 1, 2.

It is recommended that Political Science 1-2 be taken in the first year, Political Science 5, 6 and Economics 3, 4 in the second year, and History 9-10 in the third year.

1-2. *American Government.*

MR. PANCOAST, MR. HERBSLEB

An analysis of the structure and functions of American national and state governments. Three hours per week. *Six semester hours.*

Course 1-2 is a prerequisite for all courses in this department except 11-12; 13-14.

3. *Municipal Government and Administration.*

MR. PANCOAST

The legal power and position of the city in our political system. Thorough consideration of forms and activities of city government. Three hours per week. *Three semester hours.*

4. *Political Parties.*

MR. PANCOAST

Both structural description and functional analysis of American political parties. The organization, work, leaders, and place of political parties in our democracy are considered at length. Three hours per week. *Three semester hours.*

5, 6. *Comparative Government.*

DR. E. H. MILLER

A detailed comparison of the Cabinet and Presidential systems, as exemplified by England and the United States; the study then extended to other representative governments, including France, Germany, Italy, Russia, and Japan. Three hours per week. *Six semester hours.*

7. *Modern Political Theories.*

DR. CHANDLER

Significant political ideas, forces, and concepts from Plato to the present. Three hours per week. *Three semester hours.*

8. *Constitutional Law.*

MR. PANCOAST

Historical backgrounds and principles formulated by the United States Supreme Court receive special emphasis. In addition to a textbook, extensive use is made of case studies. Three hours per week. *Three semester hours.*

10. *Public Administration.*

DR. CHANDLER

A survey of the field of public administration, emphasizing administrative organization, fiscal management, and personnel management. The administrative process is considered as a unit encompassing federal, state, and local administration. Three hours per week. *Three semester hours.*

11-12. *Seminar in Political Science.*

DR. E. H. MILLER

Selected topics in international organization, international relations, and international law. Two hours per week. *Four semester hours.*

Open only to third year and fourth year students.

13-14. *Seminar in Geopolitics.*

DR. CHANDLER

An evaluation of the present and potential strength of the World Powers, with particular reference to the present internal and international position of the United States. The application of the views of Mackinder, Haushofer and others to world conditions today. Three hours per week. *Six semester hours.*

Open only to third year and fourth year students.

PSYCHOLOGY

PROFESSOR TYSON

MR. HIRST

Students majoring in Psychology must take the following courses: Biology 3, 11-12; Mathematics 15-16; Psychology 1, 4, 5, 6, 8, 10, 12. The following courses are suggested but not required: Physics 1-2 (for those who have not had Physics in high school); Philosophy 3 or 4. In the first year Biology 3 is to be taken; in the second year Psychology 1, 8, and Biology 11-12; in the third year Psychology 5, 6; and Mathematics 15-16; in the fourth year Psychology 4, 10, 12.

1. *Elementary Psychology.*

DR. TYSON, MR. HIRST

An introductory study of mental life and accompanying types of human behavior. Three hours per week. *Three semester hours.*

Course 1 must be taken during the first semester of the second year by all students preparing to become teachers.

4. *Social Psychology.*

MR. HIRST

A study of group action and of the group influences by which the individual is surrounded; tradition, custom, public opinion, and other psychological and social forces which affect individual judgment and action. Three hours per week. *Three semester hours. Permission of the instructor is required for admission to the course.*

5. *Educational Psychology.*

DR. TYSON

The native equipment of the learner; the relationship of heredity and environment; the inheritance of human traits; the principles of growth and development; physical, emotional, social and mental development; the principles of learning; transfer of training. Prerequisites, Psychology 1 and Education 2. Three hours per week during the first semester of the third year. *Three semester hours (The same course as Education 3.)*

6. *Educational and Psychological Tests and Measurements.*

MR. HIRST

An introductory survey of the field of measurement in education, including measurement of intelligence and school results; main features of the technique of testing and test construction; types of tests and scales; evaluation; interpretation; use. Prerequisite. Course 5. Three hours per week. *Three semester hours. (The same course as Education 10.)*

8. *Abnormal Psychology and Mental Hygiene.*

DR. TYSON

Abnormalities of sensation, perception, memory, thinking, emotion, intelligence, motor activity and personality; sleep, dreams, and phenomena of suggestion; critique of psychoanalytic theories; psychological aspects of neurotic and psychotic disorders. The course will be given from the point of view of preventive mental hygiene. Three hours per week. *Three semester hours.*

10. *General Psychology.*

MR. HIRST

For majors in psychology. This course will cover materials of general psychology not included in Psychology 1. (*In 1952 Psychology 10 will be augmented by two hours of laboratory work. This is required of all major students in psychology. Other students may enter by permission of the head of the department.*) Three hours lecture and two hours of laboratory per week. *Four semester hours.*

12. Psychology in Industry.

MR. HIRST

This course deals with the application of psychological techniques and principles to the problems of industry. Emphasis is given to individual differences, aptitudes and skills, job evaluation, merit rating, work methods, training programs, fatigue, accident control, safety education, incentives, employee attitudes, morale, the interview and related employment methods. Three hours per week. *Three semester hours. (Open upon approval of the head of the department to juniors and seniors who have completed Psychology 1).*

PUBLIC SPEAKING**3-4. Public Speaking.**

MR. KERSHNER

Composition and delivery of various types of speeches, with group criticism and discussion. The class will be organized and conducted according to the Rules of Parliamentary Procedure. Prerequisite, English Composition 1-2. Two hours per week. *Four semester hours.*

5-6. Debating.

MR. KERSHNER

This course is organized for both beginners and advanced students who are interested in debating in intramural and intercollegiate tournaments. Open to third year students who have completed Public Speaking 3-4, or who have been members of the Debating Club for at least one year. The course may be repeated for credit in the senior year. One hour per week. *Two semester hours.*

Note: All students in the College may participate in the activities of the extra-curricular debating society without (necessarily) being enrolled in Course 5-6.

RELIGION

ASSOCIATE PROFESSOR CREAGER

PROFESSOR BAKER

PROFESSOR ARMSTRONG

1. Introduction to the Literature of the Bible.

MR. CREAGER

An appreciative and historical study of the Bible, with a view to discovering its origin, nature, and significance in the life of today. Three hours per week. *Three semester hours.*

3. The Age of the Reformation.

DR. ARMSTRONG

Course 3 deals primarily with the Renaissance and the Reformation. Three hours per week. *Three semester hours. (The same course as History 3.)*

Course 3 will not be offered in 1952-53.

4. Christian Classics.

MR. CREAGER

Readings in the classics of Christian literature including the writings of such men as Augustine, St. Francis of Assisi, Thomas a Kempis, Fox, Law, Baxter, Woolman, and Temple. Three hours per week. *Three semester hours.*

6. History of the Christian Church.

MR. CREAGER

A study of the development of the Christian church from the apostolic period to modern times, with a view to understanding the nature and extent of its contributions to society. Three hours per week. *Three semester hours.*

Course 4 alternates with Course 6. Course 6 will not be offered in 1952-53.

7. *Philosophy of Religion.*

MR. CREAGER

A study of religious beliefs and practices in order to ascertain the nature and value of religion. Particular attention is given to questions involving the nature and reality of God, the problems of evil and suffering, free will, and immortality. Prerequisite, third year standing. Three hours per week. *Three semester hours.*

8. *New Testament Greek.*

DR. BAKER

The Gospel of St. Luke. Papers and lectures on the Hellenistic religions. Three hours per week. *Three semester hours. (The same Course as Greek 8.)*

11. *Seminar in Church History.*

DR. ARMSTRONG

Preparation and discussion of research papers on the growth of religious thought in America. Two consecutive hours per week. *Four semester hours. (The same Course as History 12.)*

Open to third and fourth year students who have two years work in History, and to others equally qualified, with the permission of the instructor.

ROMANCE LANGUAGES

PROFESSOR WILCOX

ASSOCIATE PROFESSOR GARRETT

MR. PARSONS

MR. ROBERTS

FRENCH

Students whose major subject is French must meet the following group requirements previous to graduation:

French 5, 6, 9, 15, 16.

One of following courses: French 7, 8, 10.

One of following courses: French 11-12; 13-14.

History 3-4.

Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

1-2. *Elementary French.*

MR. WILCOX

Three hours per week. *Six semester hours.*

3-4. *Intermediate French.*

MR. PARSONS

Three hours per week. *Six semester hours.*

Prerequisite: Course 1-2 or equivalent (i.e., satisfactory completion of two or more years of French in secondary school).

3a-4a. *Intermediate French.*

MR. ROBERTS

For students planning further work in French. Three hours per week. *Six semester hours.*

Prerequisite: Same as for Course 3-4.

5, 6. *Survey of French Civilization and Literature.*

MR. PARSONS, MR. ROBERTS

Two hours per week. *Four semester hours. (French 5 is the same course as History 19.)*

Prerequisite: Satisfactory completion of Course 3-4 or 3a-4a. History majors may be admitted to Course 5 with permission of the instructor.

Satisfactory completion of Courses 5, 6 is prerequisite to advanced work in the department.

7. *Rabelais, the Pléiade, Montaigne.* MR. WILCOX
Two hours per week. *Two semester hours.*
8. *Corneille, Racine.* MR. WILCOX
Two hours per week. *Two semester hours.*
9. *Molière.* MR. WILCOX
Two hours per week. *Two semester hours.*
10. *Voltaire, Rousseau.* MR. WILCOX
Two hours per week. *Two semester hours.*
Courses 7, 8 alternate with Courses 9, 10. Courses 9, 10 will not be offered in 1952-53.
- 11-12. *French Literature 1800-1860.* DR. GARRETT
Two hours per week. *Four semester hours.*
Courses 11-12 alternate with Courses 13-14. Courses 11-12 will not be offered in 1952-53.
- 13-14. *French Literature since 1860.* DR. GARRETT
Two hours per week. *Four semester hours.*
15. *Advanced Grammar.* DR. GARRETT
Two hours per week. *Two semester hours.*
16. *Oral French.* MR. WILCOX
Two hours per week and additional laboratory work. *Two semester hours.*
21. *Romance Languages.* MR. WILCOX
Preparation for teaching French. For third year students. Three hours per week. *Three semester hours.*
22. *Conversation.* DR. GARRETT
Prerequisite: Course 16 and permission of the instructor. Three hours per week. *Three semester hours.*

ITALIAN

Study in Italian is open to students who have completed the language requirement for graduation.

- 1-2. *Elementary Italian.* MR. ROBERTS
Three hours per week. *Three semester hours.*
Course 1-2 will be offered in 1952-53.
- 3-4. *Intermediate Italian.* MR. WILCOX
Three hours per week. *Three semester hours.*
Course 3-4 will not be offered in 1952-53.

SPANISH

Students whose major subject is Spanish must meet the following group requirements previous to graduation:

Spanish 5, 7, 8, 13-14.

History 3-4, 21-22.

Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

1-2. *Elementary Spanish.*

MR. ROBERTS

Three hours per week. *Six semester hours.*3-4. *Intermediate Spanish.*

DR. GARRETT

Three hours per week. *Six semester hours.*

Prerequisite: Course 1-2 or equivalent (i.e., satisfactory completion of two or more years of Spanish in secondary school).

3a-4a. *Intermediate Spanish.*

MR. ROBERTS

For students planning further work in Spanish. Three hours per week. *Six semester hours.*

Prerequisite: Same as for Course 3-4.

Note: Satisfactory completion of Course 3a-4a is prerequisite to all advanced work in the department.

5. *Advanced Grammar.*

MR. WILCOX

Two hours per week. *Two semester hours.*6. *Commercial Spanish.*

MR. WILCOX

Two hours per week. *Two semester hours.*7. *Modern Spanish Literature.*

MR. WILCOX

Two hours per week. *Two semester hours.*8. *Spanish Literature of the Golden Age.*

MR. WILCOX

Two hours per week. *Two semester hours.*

Courses 7, 8 alternate with Course 9-10. Courses 7, 8 will not be offered in 1952-53.

9-10. *Spanish American Literature.*

MR. WILCOX

Two hours per week. *Four semester hours.*13-14. *Advanced Composition and Conversation.*

MR. WILCOX

Three hours per week. *Six semester hours.*

Courses 5, 6 alternate with Courses 13-14. Course 13-14 will not be offered in 1952-53.

21. *Romance Languages.*

MR. WILCOX

Preparation for teaching Spanish. For third year students. Three hours per week. *Three semester hours.*

RUSSIAN

Study in Russian is open to students who have completed the language requirement for graduation.

1-2. *Elementary Russian.*

DR. HARTZELL

Three hours per week. *Six semester hours.*3-4. *Intermediate Russian.*

DR. HARTZELL

Reading of representative authors in Russian. Three hours per week. *Three semester hours.*

Course 1-2 alternates with Course 3-4. Course 1-2 will not be offered in 1952-53.

SOCIOLOGY

1. *Introduction to Sociology.*

DR. J. A. MILLER

A course designed to give the student a more scientific understanding of man's social nature and of the social world in which he lives. In addition to fundamental concepts and theories particular attention is focused on problems arising from race relations and personality disorganization. Open to third and fourth year students and to second year students with the consent of the instructor. Three hours per week. *Three semester hours.*

2. *Introduction to Sociology.*

DR. J. A. MILLER

A continuation of Sociology 1. Problems to which particular attention is given include urbanization, the family, and crime and delinquency. Prerequisite, Course 1. Three hours per week. *Three semester hours.*

SPANISH

See under *Romance Languages*

SWEDISH

See under *Germanic Languages*

Prizes, Honors and Degrees

AWARDED IN 1951

PRIZES

The Philip H. Fogel Memorial Prize—Lois C. Brown, '51
The Robert Truckess Prize—Wainwright E. H. Diehl, '51
The Paisley Prizes—Lois C. Brown, '51; A. James Morgan, '51
The Elizabeth Rockefeller McCain Prize—Richard P. Richter, '53
The Duttera Prize—Willard W. Wetzel, '51
The Ursinus Women's Club Prize—Nancy Vadner, '51
The Ursinus Circle Prize—Ruth M. Feidler, '52
The Ellen Beaver Schlaybach Memorial Prize—Dolores C. Meyers, '51
The Rosicrucian Prize—Alberta L. Barnhart, '54
The Edwin M. Fogel Prize—George W. Burchill, '51
The George Ditter Prize—Robert C. Herber, '51
The George W. Kehl Prize—Nancy A. Matterness, '52
The I. Calvin Fisher Prize—Thomas G. Davis, '52
The Leibensperger Character Award—Jane E. Gulick, '53
The Elizabeth B. White Prize—Marilyn Joyce Miller, '51
The Thomas Jefferson Williams Prize—Dolores C. Meyers, '51
The Catherwood Fellowship—Willard E. Baxter, '51

OPEN SCHOLARSHIP AWARDS:

Elizabeth A. Ault
Marilyn L. Herrmann

William Zimakas

Harry R. Schumacher
Georgia M. Thomas

HONORS

DEPARTMENTAL HONORS

Biology: William Leslie Walls

Chemistry: Guenter Rolf Ackermann

William Frederick Burkhardt

Thyrgve Richard Meeker

Spanish: Dolores Claire Meyers

History: Patricia Anne Richardson

Marjorie Aline Taylor

Political Science: Robert Colvin Herber

French: Thelma Alice Lindberg

GRADUATION HONORS

Valedictorian: Dolores Claire Meyers

Salutatorian: Nancy Ruth Bare

CUM LAUDE

Nancy Ruth Bare

Willard Ellis Baxter

Robert Colvin Herber

Marion Ruth Kurtz

Joseph Jacob Mann

Thyrgve Richard Meeker

Dolores Claire Meyers

Marilyn Joyce Miller

Stella Mary Stuba

Norma Adelaide Titus

Alvin Eugene Tobis

Virginia Lee Wilson

DEGREES, 1951

DOCTOR OF DIVINITY (HONORARY)

Clair Eugene Blum
James William Bright
William Arthur Kratz

DOCTOR OF LAWS (HONORARY)

Harry Alvan Cochran
Charles Lachman
Lloyd Hobart Wood

DOCTOR OF LETTERS (HONORARY)

Revelle W. Brown
Rhea Edna Duryea Johnson
Charles Penrose

DOCTOR OF HUMANE LETTERS (HONORARY)

Henning Webb Prentis, Jr.

MASTER OF SCIENCE

Chester Joseph Hilger
Ronald Reiff Landes

BACHELOR OF ARTS

Ruth Elizabeth Andes
Sheila MacDonald Armstrong
John Burch Arthur
Nancy Ruth Bare
Henry Walter Bell
Louise Marie Bornemann
Fordyce Argo Bothwell
Frederick Amos Bowen
George Charles Brandau
Edwin Dagobert Bransome (as of 1913)
Nancy Anne Brasch
Ira Donald Bronson
Lois Cecelia Brown
George W. Burchill, Jr.
Charles Richard Burk, Jr.
Eugene Fellows Carpenter, III
Richard Paul Carson
Nancy Lou Carver
Walter John Christensen, Jr.
Samuel William Clover
Edward West Cooper
Lewis Hoffman Cresse, Jr.
Donald Waller Cumpstone
Jeanne Mildred Davies
John Edward Davies
Susanne Beddow Deitz
Wainwright Edwin Herd Diehl
Dorothy Louise Dietrich
Gerald Brandon Donahue
Raymond Roger Drechsler
Manfred Emil Drummer
James Jefferson Duncan

Brandt Noe Earhart
Walter Bruce Elliott
Robert Alexander Ewing
William Wallace Fairweather, Jr.
Florence Mabel Faust
William Fisher, Jr.
Norman Magee Fording, Jr.
Roy Foster, Jr.
Herbert Eitnier Fry
William Coulter Gallagher, Jr.
John Frank Gallant
Dorothy Elaine Garris
Fred Charles Geiger, Jr.
Aubre Myers Givler
Joseph Owen Gross, Jr.
Murray Ellis Grove
Kathryne Mae Haney
Robert Thomas Healy, Jr.
William Ursinus Helfferich
Robert Colvin Herber
Jean Isobel Heron
Robert Henderson Heyser
Richard Giles High
Thomas Hornor, Jr.
Roy Weston Hudson
Vernon Bennett Huston
Edward Sebastian Hylinski
James Lawrence Johnson
Natalie Reider Johnson
Jacqueline Elizabeth Jordan
Robert Norris Jordan, Jr.
Floyd Edgar Justice, Jr.

Ramona Fae Keesey
 Edward Joseph Kelly, Jr.
 David LeRoy King
 David Nathaniel Kinsey
 Miriam Kemp Kulp
 Thomas Francis Lachenmayer
 John Benton Law, Jr.
 Thelma Alice Lindberg
 Marie Louise Linder
 Russell Kissam Lord
 Richard Jones Lyttle
 John Leslie MacBride
 Russell Eugene Mack
 Norma Jane Marmor
 William Reynolds Mauger
 Richard Haskayne McKey
 Mary Margaret McPherson
 Dolores Claire Meyers
 LeRoy Woodrow Miller
 Marilyn Jean Miller
 Marilyn Jeanne Miller
 Marilyn Joyce Miller
 Robert Coulston Moorhead
 Mary Elizabeth Morgan
 Ben Clarence Myers, Jr.
 Robert Merrick Newkirk
 Kenneth Brendlinger Oelschlager
 Manuel Parseghian
 Stanley Gilbert Pelovitz
 John Ratledge Powell
 Bertram Delroy Rearick, III
 Edmund Hoffman Reeves, Jr.
 John William Reich
 Earl Jonas Reidenouer, Jr.
 Walter Edward Remsburg
 Patricia Anne Richardson
 Elizabeth Lillian Rilling
 Jean Taylor Rinear
 Ralph Miles Rolan
 Donald Warren Rose
 Harlan Page Ross, Jr.
 Dorothy Louise Sandbeck

Gwendolyn Hope Schaffer
 Paul Crawford Scheirer
 Donald Mitchell Schmidt
 Emile Outzen Schmidt
 Charles Edward Schroeder
 Frank Joseph Scirica
 James Robertson Scott
 Herbert Philip Seibel, II
 Salvatore Michael Serra
 Robert Malcolm Sheppard
 John Ralph Sholly
 Effie Edith Siegfried
 Margaret White Simcox
 Robert Lewis Smith
 Donald Gilbert Stauffer
 Elias Herman Stein
 Charles Henry Sulzberger
 Stanley Barnett Swenk
 Marjorie Aline Taylor
 Harold Irvin Terres
 Norma Adelaide Titus
 Herbert Donald Tucker
 Beverly Jane Tuttle
 Joan Lenore Verburg
 Stanley Merz Vickers
 Elizabeth Ann Waite
 Joseph Henry Walker
 William Edward Walton
 Reid Ernst Watson
 Nelson Jerome Wenner
 Charles Arthur Wetzel
 Willard Walter Wetzel
 Doyle Finley Wildasin
 Donald James Williams
 Nancy Wiseman
 William Herman Wolter, Jr.
 Patricia Marie Wood
 Wayne Carmint Woodward
 Frances Annabelle Yeager
 Ralph Bentz Ziegler, Jr.
 Thomas Raymond Zimmer
 Alfred Jesse Zimmerman, Jr.

BACHELOR OF SCIENCE

Leonard Edward Abel
 Guenter Rolf Ackermann
 Frank Philmore Baskin
 Willard Ellis Baxter
 Joseph Thomas Beardwood, III
 Edward Frederick Becker
 Richard Arliss Berjian
 Daniel Aaron Bomberger
 William Curtiss Bookheimer
 Frederick Amos Bowen, Jr.
 William Henry Braun
 Robert Allen Brown

George Robert Burgess
 William Frederick Burkhardt
 John Horace Christ
 Bernard Dash
 Robert James Davis
 Barbara Jane Dawson
 Randolph Austin DeWitt
 Lois Virginia Ehman
 Russell Henry Fisher
 Charles Walker Fox
 Marjorie Anne Fretz
 Robert Irwin Gibbs

Eugene Click
Wayne Ziegler Gottshall
Louise Vaughan Granniss
Bernita Alyce Gross
Robert Walter Harand
William John Herman, Jr.
Janet Ruth Hunter
Eleanor Jones
Marjorie Ann Justice
Henry Roscoe Kaltenbach, Jr.
Jacquelyn Ruth Keller
Elizabeth Jane Keyser
Wilmer Grey Kimes, Jr.
Richard Louis Kinsman
George Albert Klitsch, Jr.
Donald Knott
Arthur William Kretschmar
Marion Ruth Kurtz
Frank Edgar Lafferty, Jr.
Pierre Louis LeRoy
Percival Philip Levinson
Harry Grim Light
Ruth Wilson Magaziner
Joseph Jacob Mann
Anne Logan Marzahl
Thrygve Richard Meeker
Robert Pennock Mella
Arthur James Morgan, Jr.
Ralph William Mounce, Jr.
Stephen August Muench
Grace Eva Nesbitt
Leonard Joseph Nestor
Marjorie Adele Paynter

Howard Klemmer Peters, Jr.
Glenn Alvah Piper, Jr.
Earl Raymond Reinhold
Robert Weber Rieve
Helen Germaine Roughton
Joseph Edward Ruby, Jr.
Ralph Salvadore Santoro, Jr.
Gene Leroy Sechrist
Norman Earl Schenk
Lillian Theresa Skiba
Joseph Anderson Smith
Melvin Harold Smithgall
Winifred Louise Somerville
Ray Douglas Sothorn
Charles Sommers Stokes
John William Stoll
Charles Edward Strasbaugh
Stella Mary Stuba
Alvin Eugene Tobis
Nancy Vadner
Benjamin Walter Volker
William Charles Voorhees, Jr.
Robert William Wagler
Sidney Louis Wagman
William Leslie Walls
Warren Wesley Walton
Jean Louise Waltz
Nelson Albert Louis Weller
John Eugene Wenrick
Virginia Lee Wilson
Wilbur John Wimberg
Donald Earl Young
John Andrew Young, Jr.

List of Students, 1951-1952

Aamot, Ann Silverin	Clifton, N. J.	Bixby, Humphrey Richard	Feasterville
Abrahamson, Marjorie Louise	Springfield	Bjornsson, Barbro Erika	Easton
Abramson, Edward Anton	Philadelphia	Blake, Stanley J.	Upper Darby
Ackerman, Constance	Havertown	Blanzaco, Andre Charles	Philadelphia
Adams, William Howard	Ringtown	Blum, Mollyann	North Wales
Addis, Hunter Marsden	Collegeville	Blumenthal, Rhoda	Glenside
Addis, Todd Howard Lentz	Collegeville	Bock, George L. Fowler	Collegeville
Aeckerle, Kathleen Jane	Philadelphia	Bohner, Jean Eleanor	Dalmatia
Alameno, Carmen John		Borkey, Marianne	Collegeville
	Atlantic City, N. J.	Bowers, James Dallas	Philadelphia
Allebach, Donald Lee	Skippack	Bowman, Richard Earl	Upper Darby
Allen, Mary Jane	Allentown, N. J.	Boyd, Adele Pack	Glenside
Anderson, Bruce Murray	Reading	Boyd, Suzanne	Philadelphia
Anderson, John William	Carlisle	Boyer, Alice Jane	Lansdowne
Anderson, Judith	Silver Spring, Md.	Boyer, Martin	Far Rockaway, N. Y.
Angstadt, Paul Norman, Jr.	Norristown	Boyer, Robert Edward	Lebanon
Arbeloa, Bingen de	Maracaibo, Venezuela	Brandau, Betty Lee	Easton
Aregood, John Mosgrove, Jr.	Orwigsburg	Breuninger, Evelyn Rose	Melrose Park
Armstrong, Robert Edward	Norristown	Brier, Joan Lois	Staten Island, N. Y.
Ault, Elizabeth Anne	Philadelphia	Bright, James William, Jr.	Norristown
Austin, Jean Elizabeth	Hammonton, N. J.	Brokaw, Robert Trone	
Baas, Fred Carl	Perkiomenville		Bound Brook, N. J.
Baltz, Richard David	Springfield	Brown, Donald Raymond	Myerstown
Bankert, Eleanor Louise	Littlestown	Brown, James Warren	Yerkes
Barnhart, Alberta Louise	Annaville	Brown, Morton Bernard	
Baumann, Phyllis Hope	Bergenfield, N. J.		Atlantic City, N. J.
Beach, Leslie Myatt	Bridgeton, N. J.	Brown, Samuel James, Jr.	Collegeville
Bechtle, Laura Ann	Englewood, N. J.	Brown, Sanford MacLean, Jr.	York
Beckley, William Henry	Audubon, N. J.	Brown, Sheldon Charles	Philadelphia
Beemer, William Frederick		Buchanan, Alvin John	Collegeville
	Clarks Summit	Buchanan, William Clayton	
Bekmezian, Millard Joseph	Philadelphia		Overbrook Hills, Philadelphia
Bell, Elizabeth Roberts	Bellmawr, N. J.	Buckwalter, Richard Alan	Philadelphia
Belz, Elsie Ruth	Haddon Heights, N. J.	Burger, William Radcliffe	Philadelphia
Benenati, Joseph Anthony	Baldwin, N. Y.	Burnside, Daniel McLeod	Narberth
Bennett, Herbert Francis	Clifton Heights	Byers, William Bartolett	Lansdowne
Bennett, James Blaine, Jr.		Campbell, Jean Marie	Upper Darby
	Portsmouth, Va.	Canan, Sarah Virginia	Philadelphia
Benoliel, Walter Ronald	Philadelphia	Canfield, Dennis Warren	Norristown
Benson, Jean Phyllis	Pipersville	Cantafo, Tito	Philadelphia
Berger, Joyce Elaine	Annandale, N. J.	Carbaugh, Lois Freed	Lancaster
Bergmann, Nancy Helene	Camden, N. J.	Careless, Emily Jeanne	Philadelphia
Beringer, Mary Reba	Somerdale, N. J.	Carl, Harry Irvin	Tremont
Berman, Stanley Lawrence		Carlin, Thelma Rachel	Brooklyn, N. Y.
	Bradley Beach, N. J.	Carter, Edythe Lois	Woodstown, N. J.
Bickel, Robert Clifton, Jr.	Collegeville	Chalmers, Russell Robert	Oreland
Billman, John Melville	Harrisburg	Chalson, Paul	East Islip, N. Y.
Bintner, Joseph Walter	Philadelphia	Chantler, Edwin Robert	Collegeville

Chapis, Nicholas John	Upper Darby	Edleman, John Ray	Royersford
Cheesman, John Richard	Mt. Holly, N. J.	Edwards, Carol Ann	Mullica Hill, N. J.
Christian, Janice Marie	Westfield, N. J.	Ehnot, John Michael	Phoenixville
Churchill, Charles Innes		Eichler, Bernard	Hillside, N. J.
	East Orange, N. J.	Eisenberg, Jerome William	Philadelphia
Gilley, Jeanne Whiting	Media	Elliott, June Thelma	Frackville
Clair, Henry Stephen	Philadelphia	Elliott, Walter Bruce	Pottstown
Clark, Jefferson Homer, Jr.	Wyncote	Ellis, Harry Mason	Collingswood, N. J.
Cloud, Elinor Mildred	Chester	Elssesser, Fayne Marie	Red Lion
Cohen, Norman Nathan	Philadelphia	Ely, Herbert Jay	Jenkintown
Colflesh, Stanley Marvin	Eagleville	Emrich, Robert Edgar	Phoenixville
Colletti, Jacob Salvatore	Norristown	Engelman, Marilyn Tyler	Chatham, N. J.
Compton, Joan Elaine	Harrisburg	Ertel, Carolyn Emily	Williamsport
Conestrina, Elizabeth Ann	Harrisburg	Eshbach, Richard Earl	Philadelphia
Cooke, Carolyn Lou	Schenectady, N. Y.	Evans, Gladys Florence	Haddonfield, N. J.
Costello, Edward Francis, Jr.	Bridgeport	Fach, Charles Edward, Jr.	
Cox, Edwin Thomas	St. Davids		Merchantville, N. J.
Crawford, Barbara Jane	Bridgeton, N. J.	Faltermayer, William Cook	Philadelphia
Crawford, Lois V.	Upper Darby	Farquhar, Joan	Philadelphia
Crispin, Donald Tyler	Haddonfield, N. J.	Farquhar, Rita Elizabeth	Norristown
Daniels, Martha Bursill		Faucett, Henrietta Pauline	Allentown
	Mt. Ephraim, N. J.	Faust, Ellsworth Elias, Jr.	Conshohocken
Dare, Paul Muta, Jr.	Audubon	Faust, Glenna Ruth	Lansdowne
Dattilo, Bruno Frank	Atlantic City, N. J.	Faust, Mary Arahlee	Gilbertsville
Davies, John Edward	King Manor	Fehnel, Robert Wilson	Lansdale
Davis, Howard Lester, Jr.	Upper Darby	Feidler, Ruth M.	Northampton
Davis, Norman Frank	Scranton	Feidler, Shirley Geraldine	Northampton
Davis, Robert Gene	Sewickley	Feist, Harold Edward, Jr.	Norristown
Davis, Samuel Dewees, Jr.	Philadelphia	Feist, Richard Allan	Norristown
Davis, Thomas Gale, Jr.	Drexel Hill	Feldt, Marna	Fair Haven, N. J.
Dawkins, Carl Edward, Jr.	Drexel Hill	Fellman, Nelson Miles, Jr.	Norristown
Dearold, Claude Robert	Norristown	Fellows, Floyd George, Jr.	Flushing, N. Y.
Dedekind, Roland William, Jr.		Ferreri, Donald Carmen	Norristown
	West Lawn	Ferry, Frank Joseph	Ventnor, N. J.
Degerberg, Alfred William	Ambler	Ferry, William Graham	
Deitch, Joseph Edward	Williamsport		Atlantic City, N. J.
Deitz, Michael Richard	Hollis, N. Y.	Feucht, Kathryn Anna	Berlin, N. J.
DeLuca, James	Ambler	Feulner, Harry Reager	Phoenixville
deMars, Roger Wayne		Finnegan, Fred William, Jr.	Detroit, Mich.
	South Orange, N. J.	Fischer, William R.	Quakertown
Denkin, Edward Herman	Salem, N. J.	Fisher, Joan Elizabeth	Madison, N. J.
DeSimone, Francis Gilbert	Devon	Fisher, Peter Bernard	Philadelphia
DeSola, Dolores Beatrice	Brooklyn, N. Y.	Fisher, Ronald Marvin	Bridgeton, N. J.
Detwiler, Dorothy Wynn	Collegeville	Fisher, Robert Granville	Madison, N. J.
Devonshire, Donald Gantz	Pitman, N. J.	Fite, Doris Louise	York
Diehl, Jerry Ann	Allentown	Flickinger, Evans	Brooklyn, N. Y.
Ditto, Dorothy L.	Hagerstown, Md.	Flickinger, Martha	Brooklyn, N. Y.
Dolde, Elizabeth Martha		Foreman, Clarence, Jr.	Royersford
	Haddonfield, N. J.	Frambes, Curtis Harold	Margate, N. J.
Donaldson, Marjorie Bunting	Aldan	Frankel, Lionel Howard	New York, N. Y.
Doughty, Paul Larrabee	Beacon, N. Y.	Frankel, Ronald Alan	New York, N. Y.
Downey, Thomas Ronald	Lansdale	Frankenfield, Chester	Erwinna
Downs, Harry Millard	Jenkintown	Freedman, Simon David	
DuBois, Yvonne Jeanne	Ashland, N. J.		Ventnor City, N. J.
Dunn, Eleanor Coale	Somerville, N. J.	Freeman, Marilyn Jane	Freehold, N. J.
Eckert, Kathryn Marjorie	Allentown	Freeman, William Henry, III	
Eddy, Burnett Warren, Jr.			Freehold, N. J.
	Rochester, N. Y.	Freimuth, Erich Joseph	West Lawn

French, Mary Catharine	Collegeville	Harte, Audrey Ethel	Allentown
Fretz, Marjorie Anne	Souderton	Hartman, Robert Frederick	Blue Bell
Frey, Patricia Ann	Dover	Haslam, Elizabeth Long	Perkiomenville
Friedeborn, William Shenkle	Collegeville	Haslam, Marion Cornett	Perkiomenville
Friedlin, Frederic Jay	Pitman, N. J.	Hausman, Anna Carolyn	Emmaus
Friedlin, Joanne Roma	Pitman, N. J.	Haverstick, Charles LeRoy	Glenside
Fry, Robinson George	Orefield	Heckman, Joanne Elaine	E. Stroudsburg
Funk, Elmer Rahn	Collegeville	Hector, Richard	Norristown
Fynan, William Martin	Collegeville	Hedstrom, Carl Ernest	Norristown
Gale, Harold Verley	Beach Haven Terrace, N. J.	Hedstrom, William Harris	Norristown
Gardner, Helen May	Salford	Heinel, Roland William, Jr.	Elkins Park
Garlich, David Scott	Ambler	Heist, Richard Harris	Collegeville
Garrow, Patricia Lyndon	Pottstown	Helffrich, Isobel	Upper Darby
Gates, Virginia Louise	Sea Cliff, N. Y.	Helker, Margaret Diane	Doylestown
Gegenheimer, John Deibert	Wynnewood	Heller, Elizabeth Joanne	Royersford
Gellman, Richard Arthur	New York, N. Y.	Helweg, Mary Anne	Wynnewood
		Henderson, Robert Minor	Collegeville
		Henning, Harold Albert	Bath
Gianguilio, Daniel, Jr.	Wynnewood	Henrich, Nancy Jean	Havertown
Gillespie, Mary Ann	Bronx, N. Y.	Henrie, Rodney Arden	Bloomsburg
Glessner, Lois Anne	Tiffin, Ohio	Henry, Mary Lou	Philadelphia
Glock, Richard Allan	Maywood, N. J.	Herber, Carolyn Rebecca	Lebanon
Gordon, Robert Bruce	Philadelphia	Hering, Walter	Philadelphia
Gottshall, Samuel Charles	Trappe	Herrmann, Marilyn Louise	Philadelphia
Graf, Jacqueline	Trenton, N. J.	Hess, Mary Lee	Oaklyn, N. J.
Grant, Robert Stevenson	Wilmington, Del.	Hetzl, Donald Frederic	Havertown
Grant, Robert Thornton	Pennsauken, N. J.	Higgins, Joan Marie	Paulsboro, N. J.
		High, David Gilbert	Pottstown
		Hitchner, Harriet Hepner	Bridgeton, N. J.
Grater, Sarah Frances	Trappe	Hitchner, Joan Margaret	Penns Grove, N. J.
Green, Philip Stanley	Atlantic City, N. J.	Hockenbury, Gwendolyn Meta	Somerville, N. J.
Greenberg, Eugene	Great Neck, N. Y.	Holley, Blair Henry	Bernardsville, N. J.
Griffith, Dorothy Ann	Mont Clare	Holt, Shirley Ellen	Pembroke, Mass.
Gross, Stanley	Brooklyn, N. Y.	Holzer, Joseph Edward	New York, N. Y.
Gruber, Elsie Helen	Philadelphia	Hood, Katharine Jane	George School
Gruber, John Joseph	Elkins Park	Hooper, Margaret Lorna	Havertown
Guldin, Richard Allen	Boyetown	Hopple, Nancy Jane Everhart	York
Gulick, Jane Elizabeth	Ardmore	Hottenstein, Peter David	Springfield
Guss, Loren Howard	Spring City	Houser, Orin Gardener	Pennsburg
Guth, Robert Otto	Schwenksville	Howard, Richard Eulner	Philadelphia
Guthrie, James Scott	New London	Humbert, Jack William	Reading
Gutowski, Watson Aloysius	Swedesburg	Hunsicker, Shirley Ann	Souderton
Haag, Eugene Jacob	Bellmawr, N. J.	Irwin, John Paul	Norristown
Hahn, Joseph Vincent, Jr.	Pottstown	Jacobson, Lawrence Eugene	Rockville Centre, N. Y.
Hahnel, Audrey Joanne	Royersford	Jaffe, Gerald Edward	Norristown
Haines, Janet Elizabeth	Masonville, N. J.	Jahn, Frances Ann	Muncy
Hall, Beryl Mary	Lansdowne	Janson, Marie Elizabeth	Atlantic City, N. J.
Hallman, Henry Raymond	Mont Clare	Jendricks, Henry William	Palmerton
Hallstrom, David John	Norristown	John, Alfred Jensen	Bala Cynwyd
Halton, Thomas Lenford	Wynnewood	Johnson, David Daniel	Norristown
Hamilton, Joane Frances	Phoenixville	Johnson, Lois Ann	Upper Darby
Hamm, Clara Ruth	Weatherly	Johnson, Marian Elizabeth	Haddonfield, N. J.
Hance, Harry Edward	Burlington, N. J.		Media
Handy, Diana Harriet	Ambler		
Hansell, Robert Cunningham	Havertown		
Harned, Edwin Percy, Jr.	Wyckoff, N. J.		
Harner, William Everett, Jr.	Boyetown		
Harris, Barbara Ann	Hightstown, N. J.		
Harris, Gene Howard	Upper Darby		

Jones, Ellwood Franklin, Jr.	Philadelphia	Leaman, Ivan Benjamin, Jr.	Pottstown
Jones, Marilyn Estelle	Collegeville	Lee, Barbara Ann	Blue Bell
Jones, Paul Marshall	Pottstown	Leet, Joan Carolyn	Chester
Kabakjian, Marion Elizabeth	Lancaster	Leety, Jean Taylor	Lansdowne
Kacik, Joan Patricia	Tamaqua	LeKernec, William James	Bridgeton, N. J.
Kaibney, Wadette Christine	Brooklyn, N. Y.	Leonard, Lois Elaine	Chester
Kain, Josephine Ann	Aldan	Leshner, William Wellington, III	Norristown
Kane, George Findley, Jr.	Broomall	Levin, Warren Mayer	Philadelphia
Karlin, Leonard Jay	Long Branch, N. J.	Levy, Jacob William	Philadelphia
Keen, Samuel McMurray	Wilmington, Del.	Lewis, Norman George, Jr.	Philadelphia
Kehler, Frank Horn	Locust Dale	Lewis, Philip Gregory, III	Langhorne
Keim, Mary Virginia	Huntingdon Valley, Pa.	Lightfoot, Helen Bratton	Richboro
Keller, William Lorah	Allentown	Lintner, Hermann Alfred	Haddon Heights, N. J.
Kelly, Margaret Mary	Phoenixville	Lockhart, Arthur Holmes, Jr.	Abington
Kemper, Charles Herman	Collegeville	Loesch, Karl Linford	Norristown
Kennedy, Richard John	Norristown	Loftus, Joan	Philadelphia
Kennedy, Charles Henry, Jr.	Reading	Loman, Katharine Ann	Lansdale
Kern, Jay Alan	Deal, N. J.	Long, Charles Walter	Quakertown
Kerr, Elaine Katherine	Baldwin, N. Y.	Loomis, Wilmer Fielding, Jr.	Broomall
Kerslake, Gail Barbara	Abington	Lord, Jean Ethel	Philadelphia
Khuen-Kryk, Karl	Berwyn	Loveland, Jeanne Ann	Springfield
Kiebler, Patricia Anne	Hershey	Lovett, John Robert	Norristown
Kiefaber, Frank William	Philadelphia	Lucas, Carol Joyce	Glassboro, N. J.
Killhefer, Mary Louise	Manheim	Lucas, Mary-Jo	Margate City, N. J.
Kirby, Joan Elizabeth	Bridgeton, N. J.	Ludwig, Margaret Alice	Esterly
Kiszonas, Richard Anthony	Lester	Ludwig, Richard Eli	Pottstown
Klein, Edwin Leonard	Ventnor, N. J.	Luhrs, Helen Dorothea Ann	Shippensburg
Knauer, Ann Margaret	Antwerp, Belgium	Lukens, William Ellis	Plymouth Meeting
Knoebel, Esther Else	Cheltenham	Lumis, Sallie Williams	West Chester
Knoll, Herbert George	Irrington, N. J.	Lutz, Ethel Elaine	Berwick
Kolp, Norman Franklin, Jr.	Royersford	Lynn, Ila Jane	Philadelphia
Koppel, Max Monroe	Philadelphia	MacGeorge, William Dean, Jr.	Collegeville
Koval, Alex	Pottstown	MacKenzie, Donald Smith	Philadelphia
Koyanagi, Charlene Misae	Seabrook, N. J.	MacKinnon, Shirley Jane	Havertown
Kramer, Margaret Fowler	Philadelphia	Maes, Lois Dryden	Phoenixville
Kratz, Daniel Griswold	Rome	Main, Orrin Hardy	Boonton, N. J.
Kratz, Walter Carl	Hatboro	Maliken, Benjamin Joseph	Bradley Beach, N. J.
Krause, Leonard Michael	Norristown	Malven, Donald St. John	Poughkeepsie, N. Y.
Krause, Robert John	Nanticoke	Mammel, Kenneth Albert	Newtown, Bucks Co., Pa.
Kreamer, Robert Max	Millville, N. J.	Manning, John Randolph	Collegeville
Kuebler, Barbara Joan	Berwyn	Marcussen, Sonia Marie	Chalfont
Kuehn, Joanne Barbara	Deerfield, N. J.	Markey, Edna Campbell	Lebanon
Kuhn, Jeanne	Philadelphia	Markley, Harry Morris	Norristown
Kuhn, Joanne	Wilmington, Del.	Martin, Paul	Collegeville
Kumpf, Robert Ernest	Conshohocken	Martini, Joseph Frank	Bristol
Laib, Nancy Elizabeth	Philadelphia	Marvel, Thomas Righter	Glenolden
Lambert, Joseph Clyde	Northfield, N. J.	Mason, Elizabeth Reiser	Oxford
Lampeter, William Joseph	Collegeville	Matchett, Charles William	Reading
Lande, Saul Weiss	Bala-Cynwyd	Matlaga, John Michael	Mahanoy City
Landis, Barbara Patricia	Pennsauken, N. J.	Matterness, Nancy Ann	Lebanon
Lange, Robert Charles	Yonkers, N. Y.	Matteson, Marion Lois	Havertown
La Porte, Julia Delores	Philadelphia		
Larkin, Walter Forrest	Norristown		
Lavey, Robert Owen	West Orange, N. J.		

- Matthews, Grace Elizabeth Easton
 Mauro, Thomas Joseph, Jr. Long Branch, N. J.
 Mayberry, Samuel David Lansdale
 McAvoy, Thomas Bell, III Phoenixville
 McCarty, Robert Farber Philadelphia
 McCleary, Paul Clarkson, Jr. York
 McClure, Roberta Martha Media
 McConnell, John Russell, Jr. Bridgeport
 McCurdy, Charles Eugene Conshohocken
 McElroy, Betty Rose Woodbridge, N. J.
 McGrath, Myrna Mae West Reading
 McKeith, Willard John Ventnor, N. J.
 McKerihan, Mary Elizabeth Metuchen, N. J.
 Mecklenburg, Robert Lee Cynwyd
 Meeker, John Theodore Pottstown
 Meeker, Marjorie Anne Pottstown
 Mella, Gordon Weed Coatesville
 Mellnik, Thelma Freas Alexandria, Va.
 Merki, Paul Albert Lansdale
 Merrifield, Marjorie Anne Havertown
 Mersfelder, Marjorie Helen Maplewood, N. J.
 Mewing, Edward William Scarsdale, N. Y.
 Meyr, Herman George Wilmington, Del.
 Michals, George Spiros Asbury Park, N. J.
 Michels, Adelle Virginia Hatfield
 Miglio, Albert Raymond Philadelphia
 Miller, Edgar Alfred, Jr. Reading
 Miller, Sandra Elaine Allentown
 Miller, Theodore Roosevelt Bridgeport
 Millheim, Nancy Louise Philadelphia
 Mills, Sarah Ann Prospectville
 Mirgain, Cheryl Louise Highland Park, N. J.
 Montgomery, Marguerite Anne Edgemont
 Moore, Margery Ila Somerville, N. J.
 Morgan, Carol Anne Haddonfield, N. J.
 Morrell, Nancy Ann Brooklyn, N. Y.
 Morris, Stanton Belmar, N. J.
 Moser, John W. F. Beverly, N. J.
 Mounce, Ralph William Fricks
 Mras, Frederick Weidel Trenton, N. J.
 Mullahy, John Joseph Ambler
 Murphy, Agnes Marie Briarcliff Manor, N. Y.
 Murphy, Francis, 3rd Philadelphia
 Musko, Erwin Thomas Collegeville
 Myers, Robert Durant Ardmore
 Neborak, Anne Royersford
 Nelson, Harry Edgar Jamaica, N. Y.
 Nemphos, Spero Peter Norristown
 Newborn, George Earl, Jr. Royersford
 Newkirk, Jo Anne Frances Bridgeton, N. J.
 Newman, William Chadwick Point Pleasant, N. J.
 Niesenbaum, Leonard Philadelphia
 Noel, Edward John Williamstown
 North, Roy Archer, Jr. Philadelphia
 Oberholtzer, Harry Milton, III Norristown
 Odenheimer, Robert Irvin Philadelphia
 Oelschlager, Kenneth Brendlinger Zieglerville
 Oliver, Chloe Beach Haven, N. J.
 Orsini, Bernard Samuel Bala-Cynwyd
 Osborne, John Thomas Collegeville
 Osciak, John Walter Clifton Heights
 Ostermayer, Jean Union, N. J.
 Ott, George Edward Graterford
 Owens, Frederick Hamman Royersford
 Paolone, Albert Michael Drexel Hill
 Parent, Sara Ann Pitman, N. J.
 Parr, William Henry Andalusia
 Pascucci, Eugene Robert Pottstown
 Patterson, Dorothy Edith Bristol
 Pattison, Thomas Woolford Paoli
 Pauff, George Washington Nesquehoning
 Perreten, Elfreda Jane South Seaville, N. J.
 Peterman, Ambrose Burdan Spring City
 Phillips, Joseph John Ventnor, N. J.
 Phillips, Thomas Griffith Toms River, N. J.
 Pleus, Jean Anna North Bergen, N. J.
 Pollitt, Lynn Trenton, N. J.
 Pollock, Norman Hall Philadelphia
 Pompa, Samuel S. B. Telford
 Poore, William Harold Pennington, N. J.
 Popowich, John Gene St. Clair
 Powell, Barbara Joan Clementon, N. J.
 Powell, John Ratledge Norristown
 Powley, William Carroll, Jr. Philadelphia
 Price, Jenepher Walton Wayne
 Priday, Lyman Hamilton Trappe
 Priester, Jacqueline Ann Willow Grove
 Primm, Helen Marie Phoenixville
 Pritchard, Charles Platt Philadelphia
 Quinn, John Edward Conshohocken
 Rack, Barbara Joan Havertown
 Radcl, Richard John Phoenixville
 Radomski, Theodore John Reading
 Ramsey, Charles Ellis Collegeville
 Rapp, Rosa Martha Willow Grove
 Rauenzahn, Raymond Kain, Jr. Philadelphia
 Raymond, Mary Ann Ridley Park
 Reed, Ruth Wilson Cranbury, N. J.
 Reeser, Ruth Elaine Doylestown
 Reice, David Sylvester Philadelphia
 Reid, Alice Elizabeth North Bergen, N. J.
 Reifeis, Carl Henry Indianapolis, Indiana

Reiniger, Margaret Rose	Edgemont	Scott, James Francis	Yeadon
Reiss, Fred	Tuckerton, N. J.	Searfoss, Joan Carol	Valley Stream, N. Y.
Reuss, Joseph Francis	Lafayette Hill	Seay, David Beaumont	Flourtown
Richter, Richard Paul	Mont Clare	Seifert, Edna May	Mechanicsburg
Rinear, Betty Ann	Highland Park, N. J.	Seitzinger, Lucia Mary	Gloucester, N. J.
Rittenhouse, Audrey Mae	Lansdale	Selke, Albert Charles, Jr.	
Rittenhouse, Benjamin Franklin, Jr.	Norristown		Merchantville, N. J.
Rittenhouse, Shirley Christine		Sella, Edward Gerard	Dunellen, N. J.
	Hammononton, N. J.	Sellick, Marjorie Jean	Glenside
Roberts, Howard Frederick		Sensenig, George Martin	Drexel Hill
	Long Beach, California	Sexton, Adaire Kathleen	Chester
Rodenbaugh, John Francis		Shakin, William	Drexel Hill
	Conshohocken	Shannon, John Armstrong	Philadelphia
Roeder, Barbara Anne	Roselle Park, N. J.	Sharp, Mary Elizabeth	
Roemer, Ernest Albin, Jr.	Millville, N. J.		Mount Holly, N. J.
Rohland, John Erford	Lebanon	Sharp, Ruth Anna	Mount Holly, N. J.
Rose, Frances May	Philadelphia	Sharpe, Richard Garfield	Drexel Hill
Rosenberger, Robert Bruce	Glenside	Shaver, Lloyd Francis, Jr.	
Ross, Marjorie Anne	Philadelphia		Newtown Square
Rotman, Marvin Zelman	Philadelphia	Shaw, Thomas John	Philadelphia
Rovno, Stephen Herbert	Philadelphia	Sheen, James Dillenbeck	Philadelphia
Royer, Ann Gilbert	Glenside	Sherr, Kathryn Joanne	Lancaster
Ruccius, David Martin	Norristown	Shillingford, Robert Paul	Drexel Hill
Ruch, Edward Thomas	Princeton, N. J.	Shinehouse, Priscilla Anne	Phoenixville
Rudloff, Inge Katharina		Shinehouse, Robert Russell	Phoenixville
	Munich, Germany	Shirtz, Dorothy Esther	Drexel Hill
Sadler, Patricia Sue	Upper Darby	Sholly, John Ralph	Chester Springs
Saltzer, Sarah Jane	Lincoln Park	Showalter, Gretchen Patricia	
Samler, Roberta Louise	New York, N. Y.		Beechhurst, L.I., N.Y.
Saporoschenko, Mykola	Collegeville	Simmendinger, Marcus Arlington, Jr.	
Sapp, Joan Maria	Frackville		Colmar
Sare, Allan William	Trenton, N. J.	Simmendinger, Mary Ann	Colmar
Satterthwaite, John Burton	Pottstown	Singer, Mary Lou	Pottstown
Scarlett, Ethel Smith	Philadelphia	Skinner, Janet Bellemont	Easton
Schaaf, Sally Eleanor	Middleport, Ohio	Smale, Harold Laverne	Pottstown
Schaebler, Matthew Lee	West Lawn	Smith, Carl Chester	Palmerton
Scharf, Evelyn Ortrude	Bergenfield, N. J.	Snyder, Nancy Jane	Altoona
Scheffler, Roberta Fay	Bath	Sourber, William Paul	Pottsville
Scheirer, Elizabeth Louise	Pottstown	Spencer, Marguerite Elsie	Norwood
Scheirer, Francis Stetler	Pottstown	Sprenkle, Mary Elizabeth	Hellam
Schellhase, Howard Boyd	Waynesboro	Stagg, Barbara Ruth	Selinsgrove
Schlegel, Barton Ervin	Bath	Stahl, Charles Jay, III	Souderton
Schneier, Jeanette	Norristown	Stanton, Judith Heritage	
Schneier, Louis	Norristown		Mullica Hill, N. J.
Schoenly, Mary Charlotte	Collegeville	Stapler, Rachel Iris	Philadelphia
Schoup, Harold Miller	Corning	Staurowsky, Franklin Michael	Trappe
Schuchert, Nancy Ann	Schwensville	Stein, Franklin Milton	Philadelphia
Schuck, Joseph John, Jr.	Bristol	Sternberg, Ralph	Newark, N. J.
Schultz, Frank, Jr.	Lehigh	Stewart, Jeanette Michele	
Schulz, Dorothy Ann	Coopersburg		Gibbstown, N. J.
Schumacher, Harry Ralph	Drexel Hill	Stewart, Katherine	Womelsdorf
Schwab, Paul Gerhardt	Philadelphia	Stine, Marilyn Elizabeth	Philadelphia
Schwab, Robert Gerhardt	Philadelphia	Stoner, John Clinton	Columbia
Schweitzer, Mary Irene	Drexel Hill	Stouffer, Duke Edward	Hagerstown, Md.
Schwendeman, John Charles	Philadelphia	Stout, William John	
Schwenk, Daniel Abraham	Philadelphia		Gloucester City, N. J.
Schwenk, Peter Nathaniel	Klinger, III	Strickland, John Forrest	
	Philadelphia		New Milford, N. J.
		Strizki, Richard Anthony	Trenton, N. J.

Strode, Joan Shirley	Catasauqua	Weaver, Elizabeth Mary	Allentown
Stubbs, Paul Albert	Yardley	Weaver, John W. H.	Harrisburg
Summers, Charles Raymond	Philadelphia	Webb, William Tap	Upper Darby
Summers, Jerry	Camden, N. J.	Webber, Donna Lucille	Wayne
Sutherland, John David	Trenton, N. J.	Weidknecht, Shirley Louise	Phillipsburg, N. J.
Swan, Mildred Elizabeth	Haddon Heights, N. J.	Weiner, Norman David	Philadelphia
Swartley, Charles William	Chalfont	Weirich, Sara Ann	Myerstown
Swartz, Harry Mason	Red Bank, N. J.	Weisel, Kenneth Gene	Perkasie
Sweeton, Jeremy Ogilvie	Wayne	Weitzel, Patricia Faye	Reading
Sweet, Robert Freeman	Madison, N. J.	Wenner, Howard Theodore, Jr.	Abington
Symons, Constance Mae	Trappe	Westerhoff, John Henry	Glen Rock, N. J.
Syvertsen, Bevolyn Edith	Havertown	Wheeler, Warren Nelson	Madison, N. J.
Tait, Gordon Churchill	Lima, Peru	Willet, Mary McLeod	Freeport, N. Y.
Talocci, Joseph Alphonzo	Nesquehoning	Williams, Harry Elwood	Dalmatia
Terndrup, Jack Lewis	Elkins Park	Williams, Mary Lou	Atlantic City, N. J.
Test, Mary Elizabeth	Haddonfield, N. J.	Williams, Robert Jean	Haddonfield, N. J.
Thomas, Georgia Mae	Allentown	Wilson, Dorothy Harley	Larchmont, N. Y.
Thomas, Ralph Richard	Pottstown	Wilson, George Matthews	Titusville, N. J.
Thompson, Doris Rae	York	Winther, David Blair	Morrisville
Tibbels, Ewing Wilby, Jr.	Trenton, N. J.	Witmer, Dorine Emmaline	Pillow
Tiedeken, Genevieve Ann	Woodlynne, N. J.	Witt, Barbara Ruth	Spring City
Totino, Joseph Anthony	Chester	Witzel, Barbara Ann	Peekskill, N. Y.
Townsend, Mary Ann	Elkins Park	Wolf, James Matthews	Swarthmore
Toy, Harry William	Philadelphia	Wong, Fue Lun	Williamsport
Traverso, Daniel Louis	Spring Lake Heights, N. J.	Woodciker, Harold Maurice	Philadelphia
Trowell, Mary Beverly	Camden, N. J.	Woodruff, Joanne Elaine	Bridgeton, N. J.
Trump, Philip Roland	Eagleville	Woodworth, Elaine Marie	Secane
Tyrrell, Beverly Ruth	Rutherford, N. J.	Wright, J. William Davis	Bernardsville, N. J.
Unger, Eleanor Elizabeth	Drexel Hill	Wright, Walter Livingston, III	Princeton, N. J.
Van De Putte, Maurice Jean	Catasauqua	Yaeger, Julius John	Trenton, N. J.
Van Doren, Earle John	Bridgeport, Conn.	Yoder, Theodore Meredith	Norristown
Van Elswyk, Annie	Bridgeport	Yost, Helen Bader	Phoenixville
Van Horn, William Warren	Huntingdon Valley	Yost, Mary Bader	Phoenixville
Vart, Janet Lee	Philadelphia	Youndt, Joanne Rutt	Adamstown
Voegel, George Herbert	Collingswood, N. J.	Young, Donald Earl	Catasauqua
Voss, Roland Richard, Jr.	Ocean City, N. J.	Zartman, Larry Franklin	Myerstown
Wagner, Kathleen Ann	Mohrsville	Zimakas, William	Briarcliff Manor, N. Y.
Walker, Maxine Alma	Philadelphia	Zimmerman, Loren Jacob	Akron
Walton, Shirley Anne	Glassboro, N. J.	Zimmerman, Milo Henry, Jr.	Akron
Wannemacher, Harry Eugene, Jr.	Belmar, N. J.		
Watson, Richard Burr	Conshohocken		

SUMMARY OF ENROLLMENT, 1951-52

GROUP	MEN	WOMEN	TOTAL
Mathematics	16	19	35
Chemistry—Biology—Physics:			
Chemistry	27	17	44
Biology	129	56	185
Physics	4	1	5
History—Social Science:			
History	40	31	71
Political Science	15	5	20
English	19	61	80
Foreign Languages:			
German	1	5	6
Romance Languages	1	14	15
Business Administration	124	15	139
Physical Education	14	54	68
Psychology	7	5	12
Fifth Year for Teachers	5	1	6
Specials	1	1	2
Part-time	4	1	5
Totals	407	286	693

When it is decided to make a bequest, care should be taken to have all testamentary papers signed, witnessed, and executed in strict accordance with the statutory laws of the State in which the testator resides. In all cases the name of the corporation should be accurately given, as in the following form:

I give, devise and bequeath to **URSINUS COLLEGE**, located at Collegeville, Montgomery County, Pennsylvania, its successors and assigns forever, the sum of dollars, for its several corporate purposes (or name the particular corporate purpose desired by the testator).

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